PALÉONTOLOGIE FRANÇAISE

DESCRIPTION

DES ANIMAUX INVERTÉBRÉS

DATES DE LA PUBLICATION

Feuilles 1 — 6 Planches 1 — 24	Octobre 1867.
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Feuilles 13 — 14 Planches 49 — 60	Janvier 1870.
Feuilles 15 — 17 Planches 61, 64 à 74	Novembre 1871.
Feuilles 18 — 20 Planches 62, 75 à 85	Décembre 1872.
Feuilles 21 — 23 Planches 63, 86 à 96	Janvier 1873.
Feuilles 24 — 26 Planches 97 — 108	Octobre 1873.
Feuilles 27 — 28 Planches 109 — 120	Décembre 1873.
Feuilles 29 — 31 Planches 121 — 132	Janvier 1874
Feuilles 32 — 35 Planches 133 — 142	Juillet 1874.

CORBEIL, TYP. ET STÉR. DE CRÉTÉ FILS

PALÉONTOLOGIE FRANÇAISE

DESCRIPTION

DES ANIMAUX INVERTÉBRÉS

COMMENCÉE PAR ALCIDE D'ORBIGNY

continuée

SOUS LA DIRECTION D'UN COMITÉ SPÉCIAL

TERRAIN JURASSIQUE

TOME NEUVIÈME

ÉCHINIDES IRRÉGULIERS

PAR

G. COTTEAU

PRÉSIDENT DE LA SOCIÉTÉ GÉOLOGIQUE DE FRANCE



ATLAS

PARIS

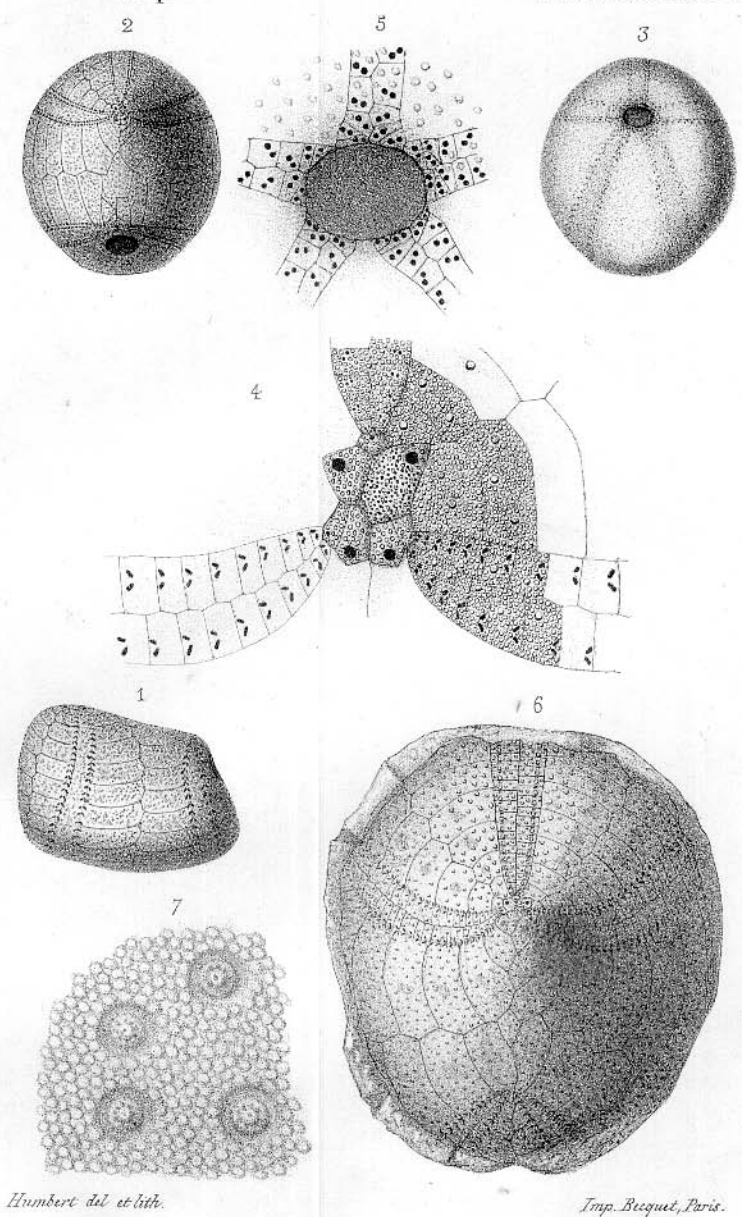
G. MASSON, ÉDITEUR

LIBRAIRE DE L'ACADÉMIE DE MÉDECINE

Place de l'École-de-Médecine, 17

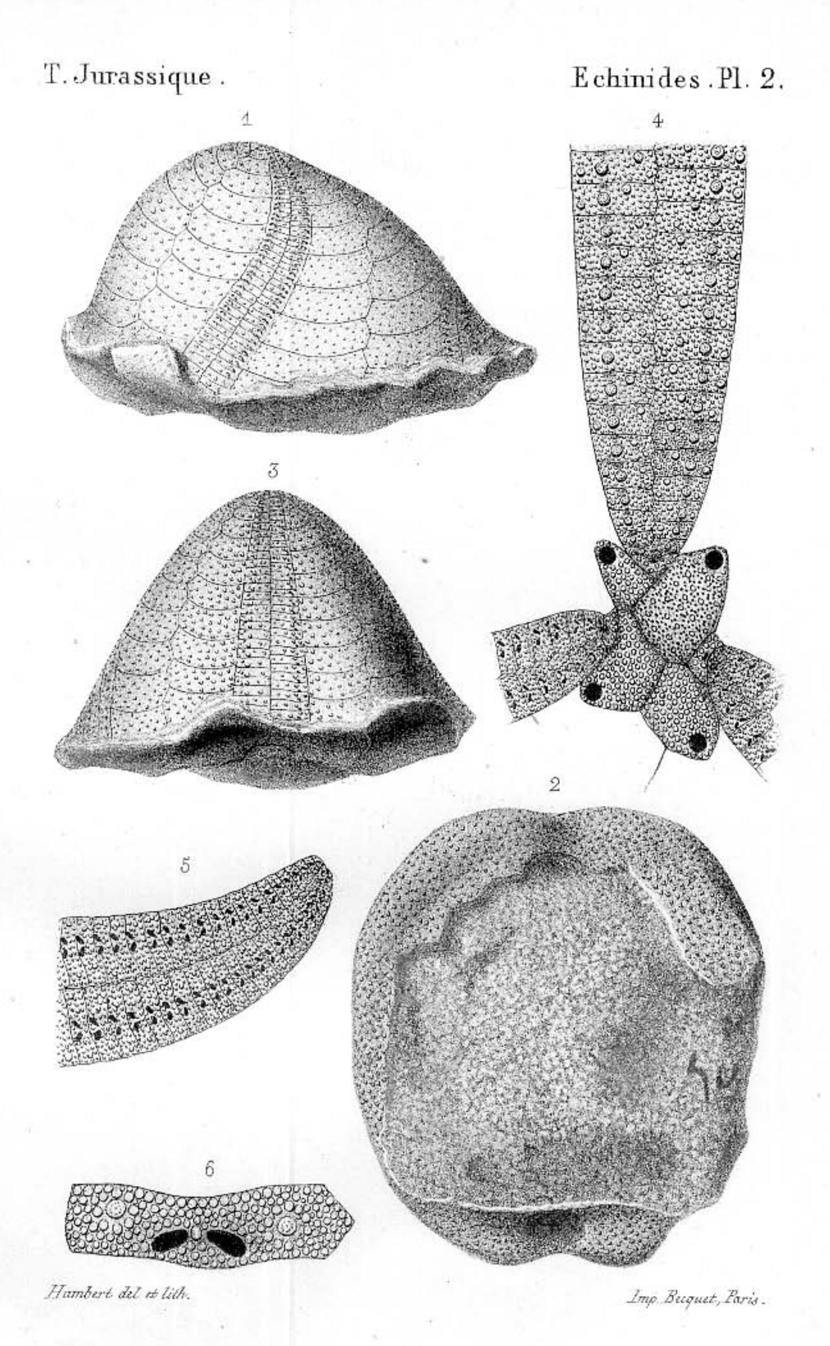
1867-1874





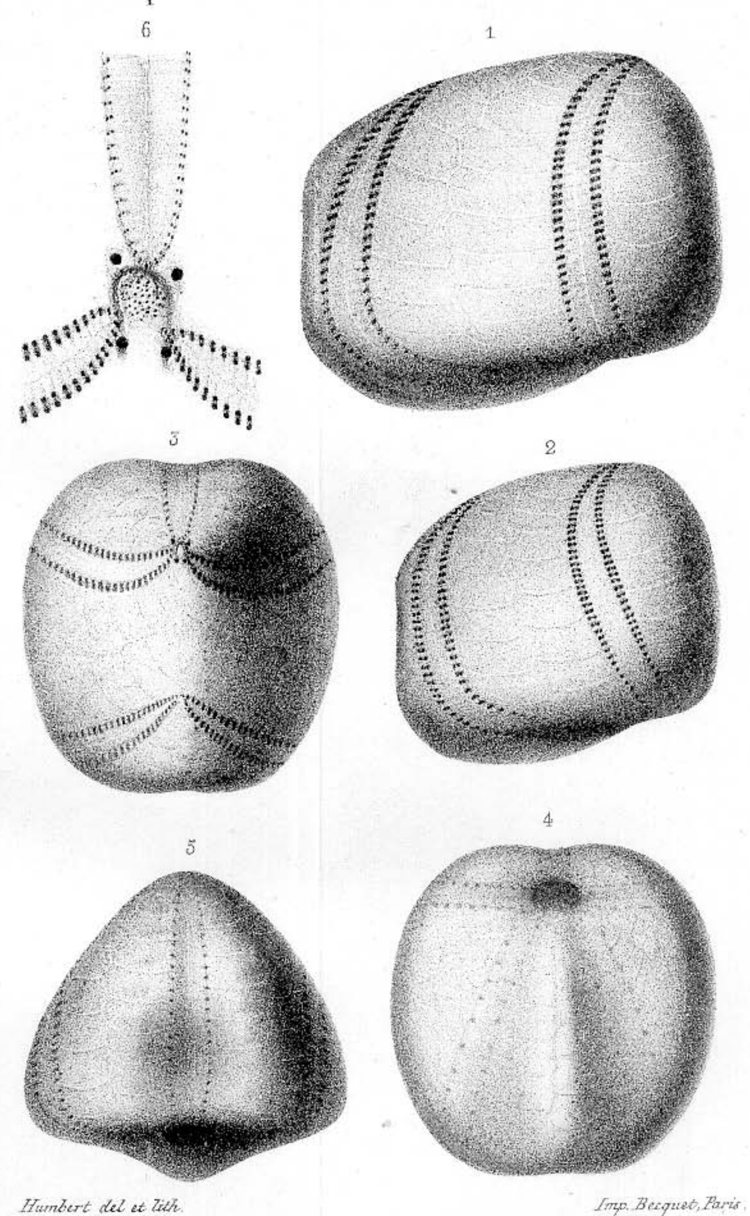
Humbert del. et lith. Imp. Becquet, Paris.

1 _ 5. *Metaporhinus Sarthacensis*, Cotteau. Et. Bajocien.
6 _ 7. *M.* ——— *Censoriensis*, ——— Et. Corallien.



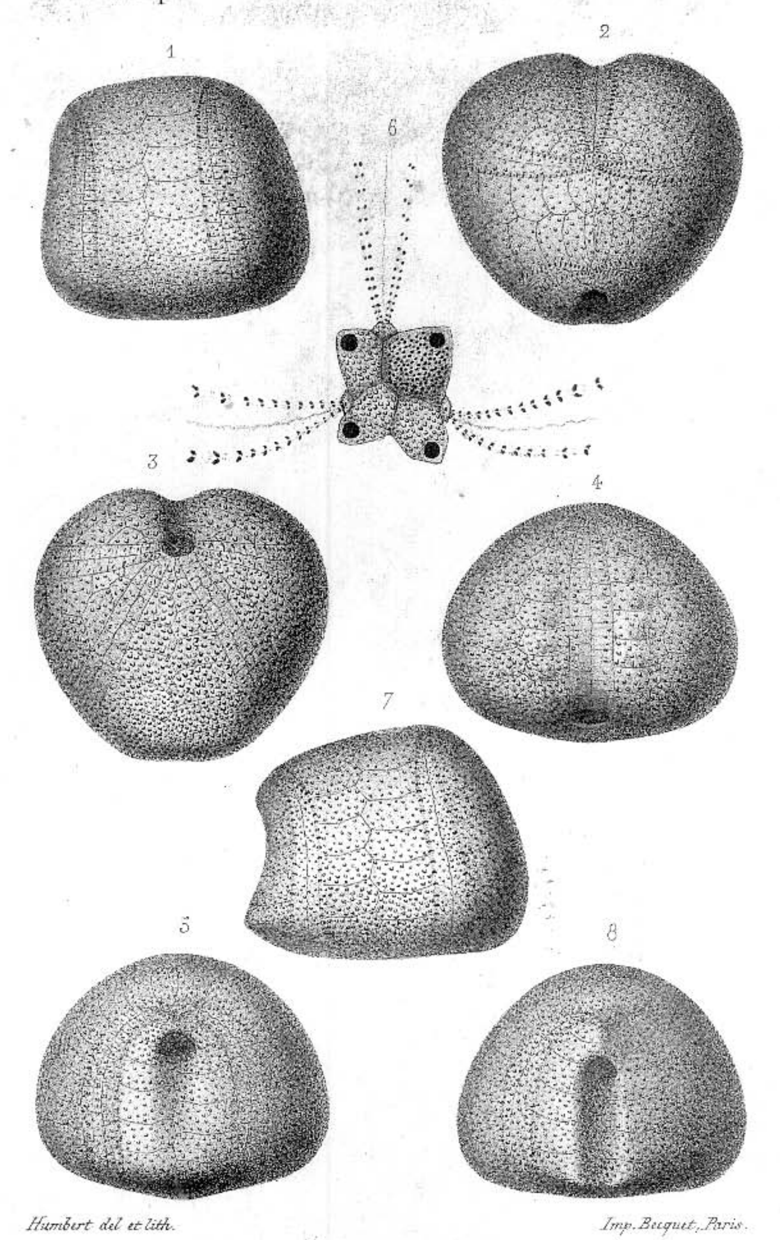
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Metaporhinus Censoriensis, Cotteau. Ét. Corallien.



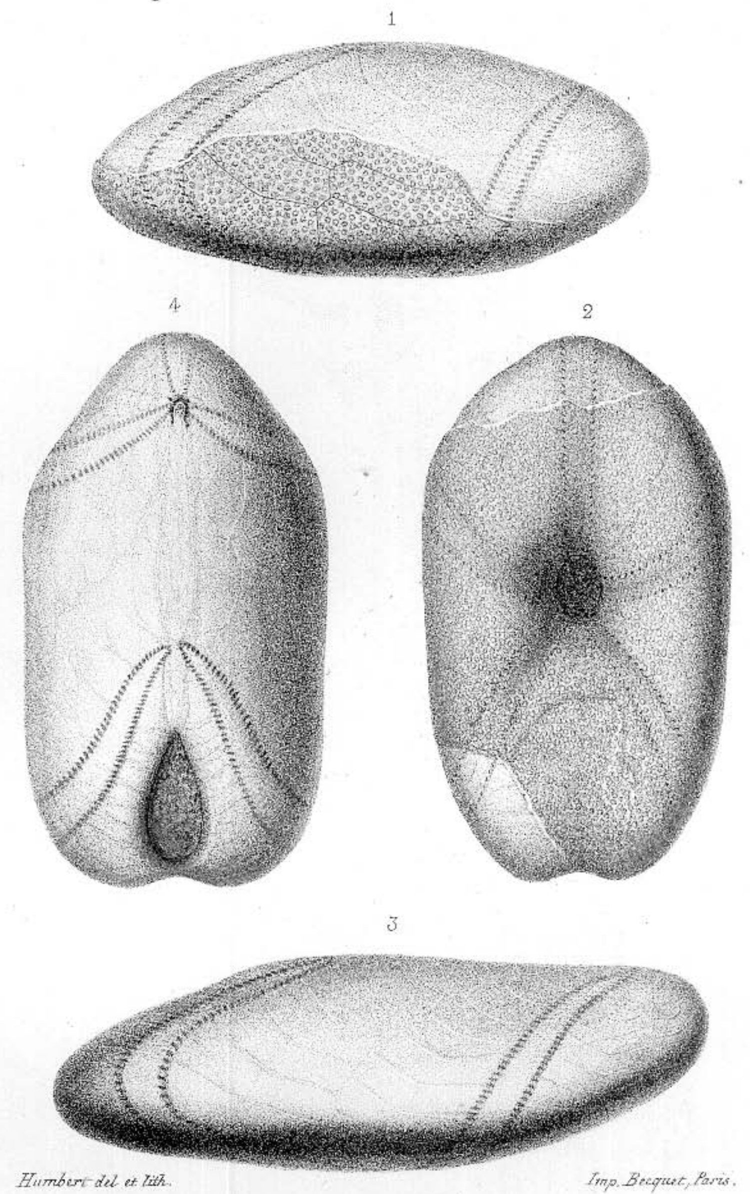
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Metaporhinus Michelini, Agassiz. Corallien.



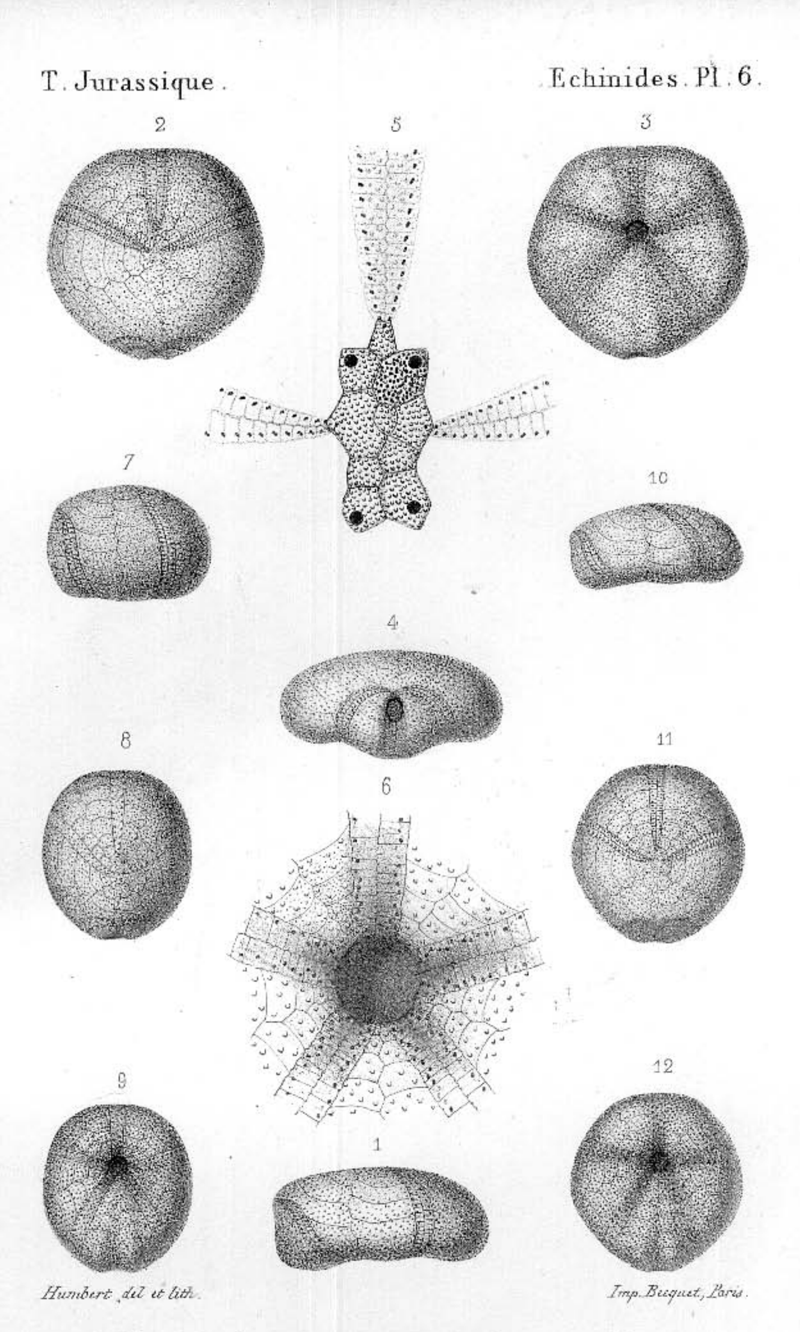
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Metaporhinus transversus, Cotteau.



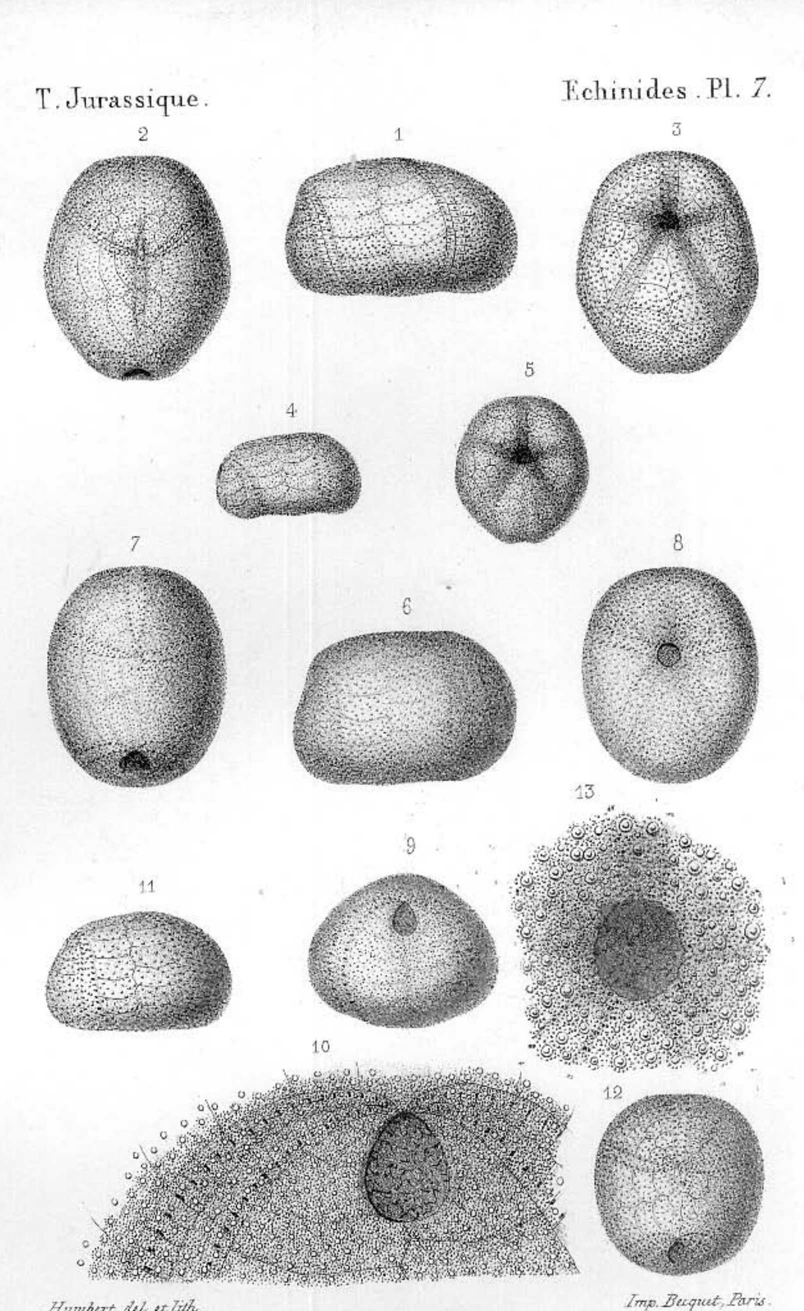
Humbert del. et lith. Imp. Becquet, Paris.

Grasia elongata, Michelin. Corallien.



Humbert, del et lith. Imp. Becquet, Paris.

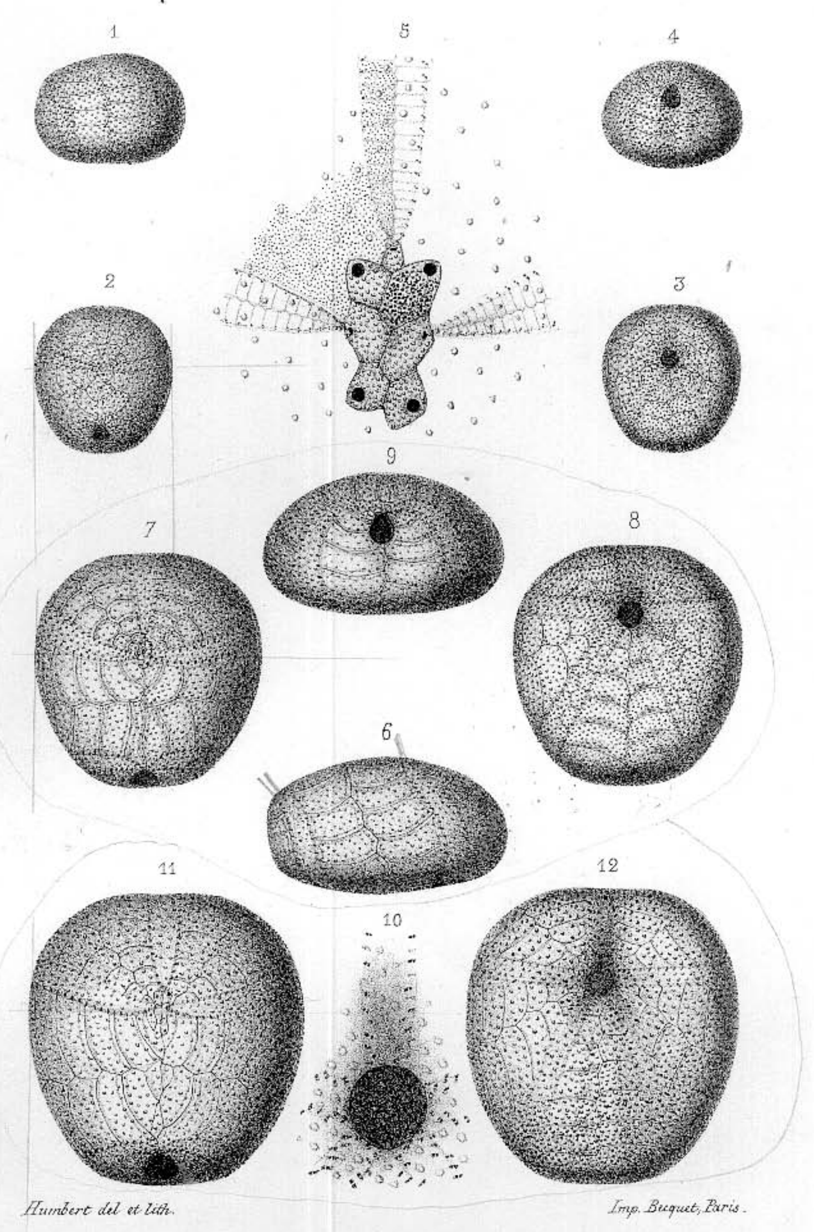
Collyrites ringens, Des Moulins, Bajocien et Bathonien.



Humbert del et lith.

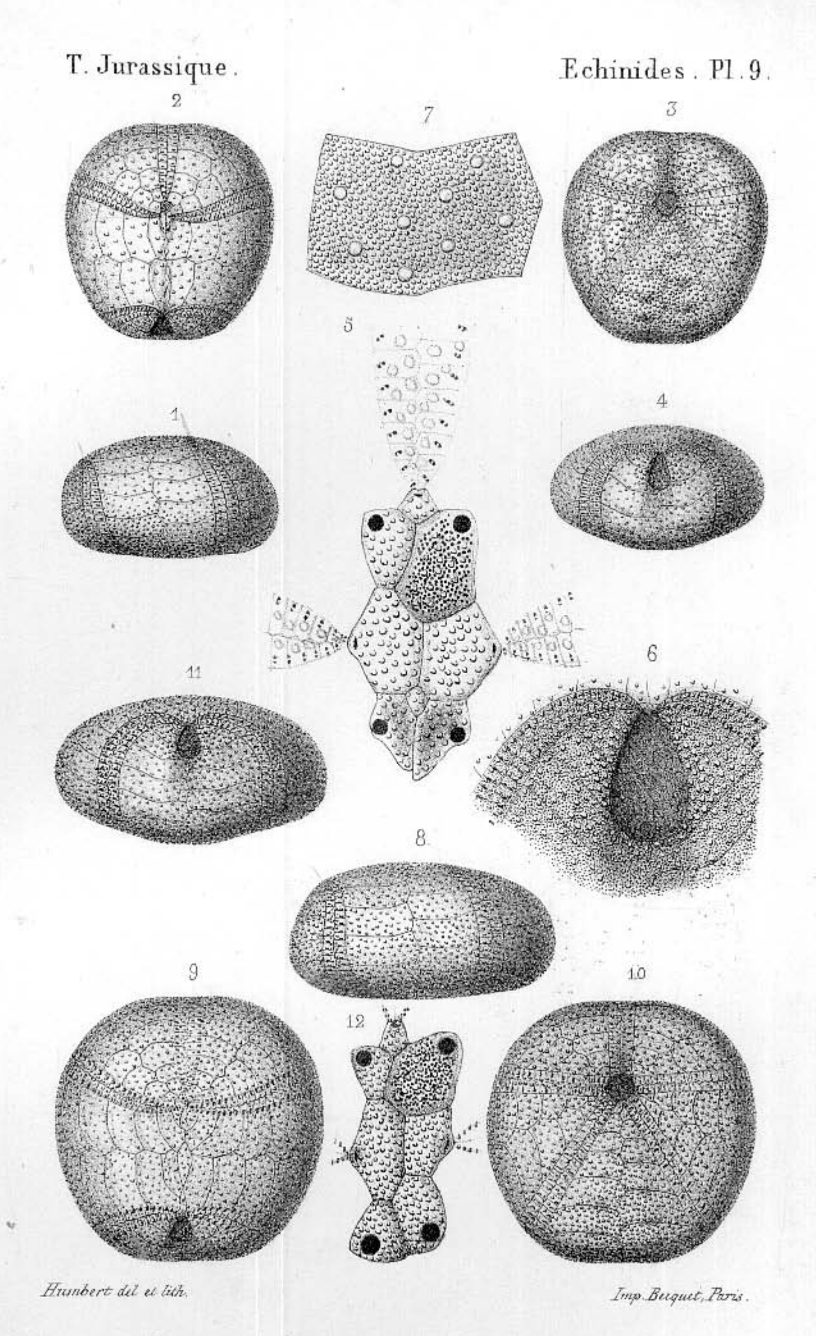
Imp. Becquet, Paris.

1 _ 5. *Collyrites ringens*, Des Moulins, Baj. et Bath.
6 _ 13. *C.* ____ *ovalis*, ____ ____ ____ ____



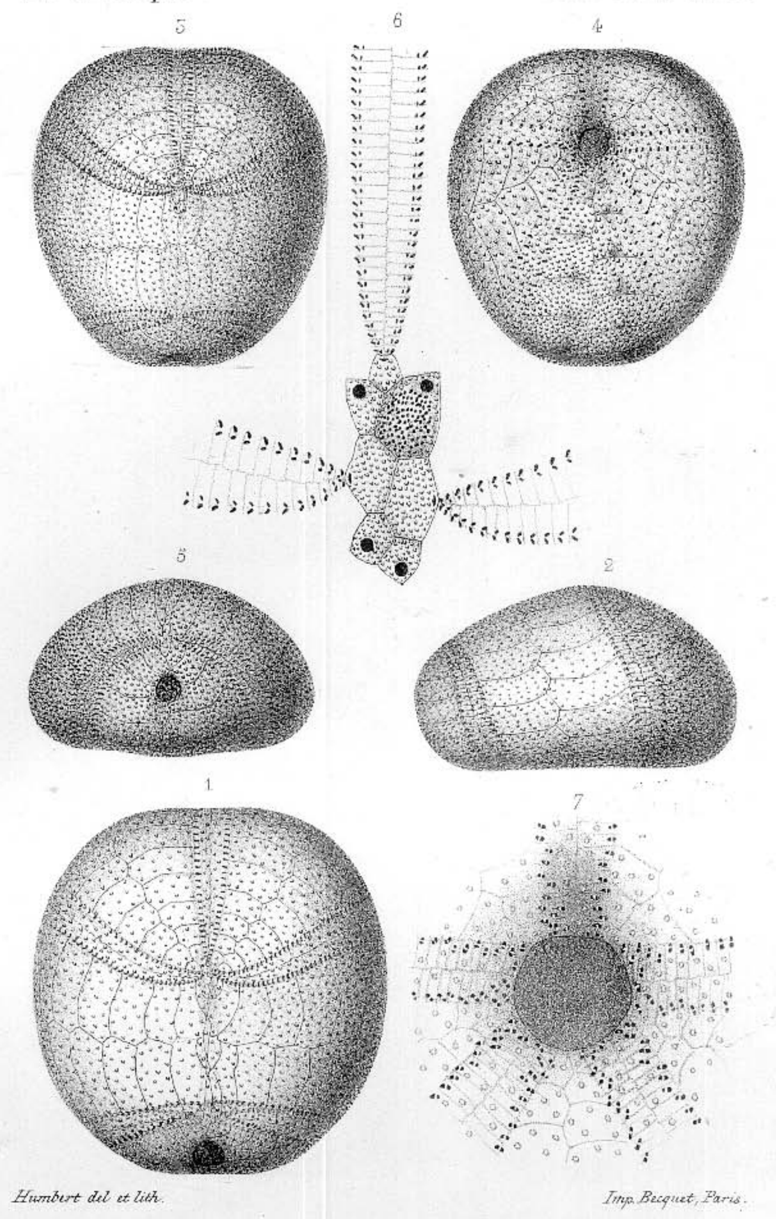
Humbert del et lith. *Imp. Becquet, Paris.*

1 _ 5. *Collyrites ovalis*, *Des Moulins*, *Bajocien*.
6 _ 12. *C.* ______ *analis*, __________ *Bathonien*.



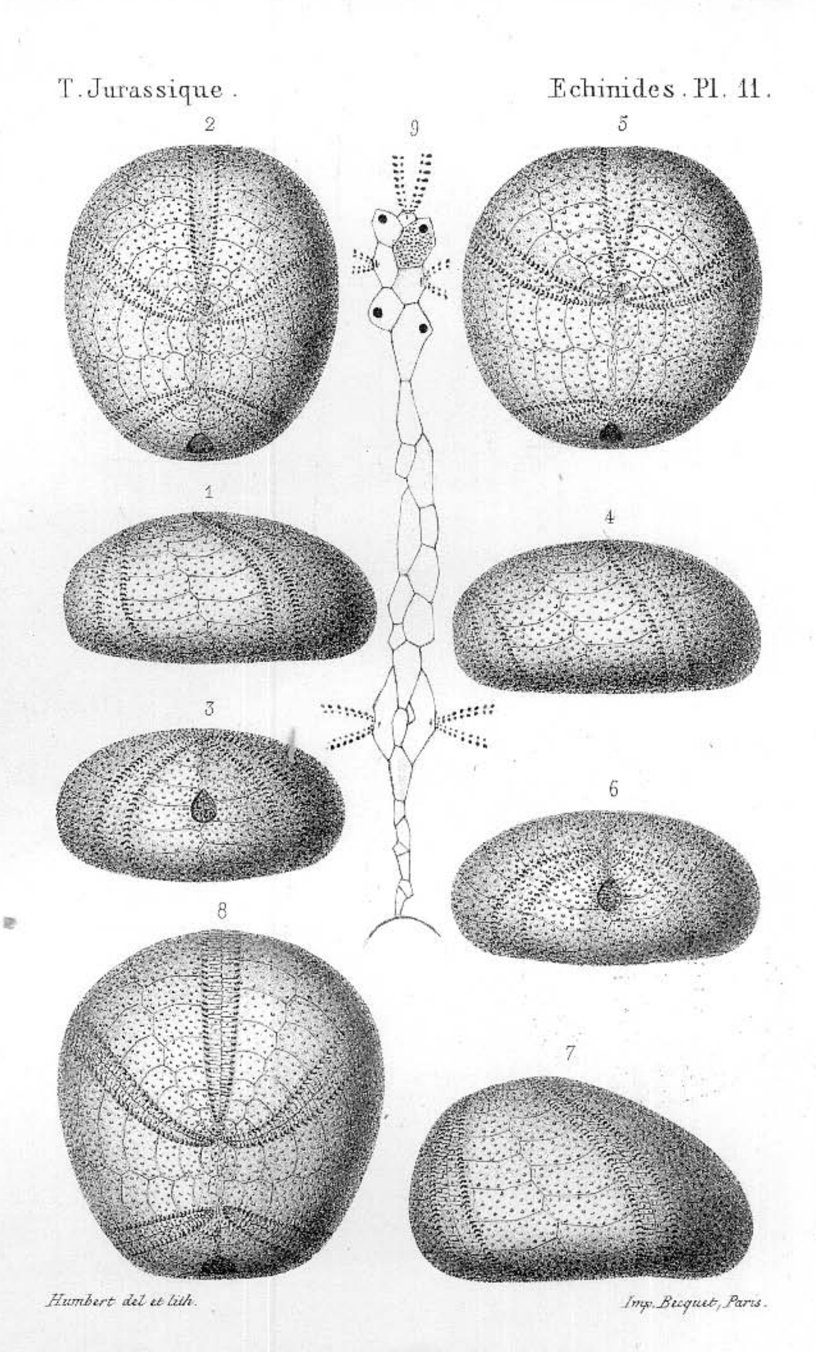
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Collyrites analis, Des Moulins, Bathonien.

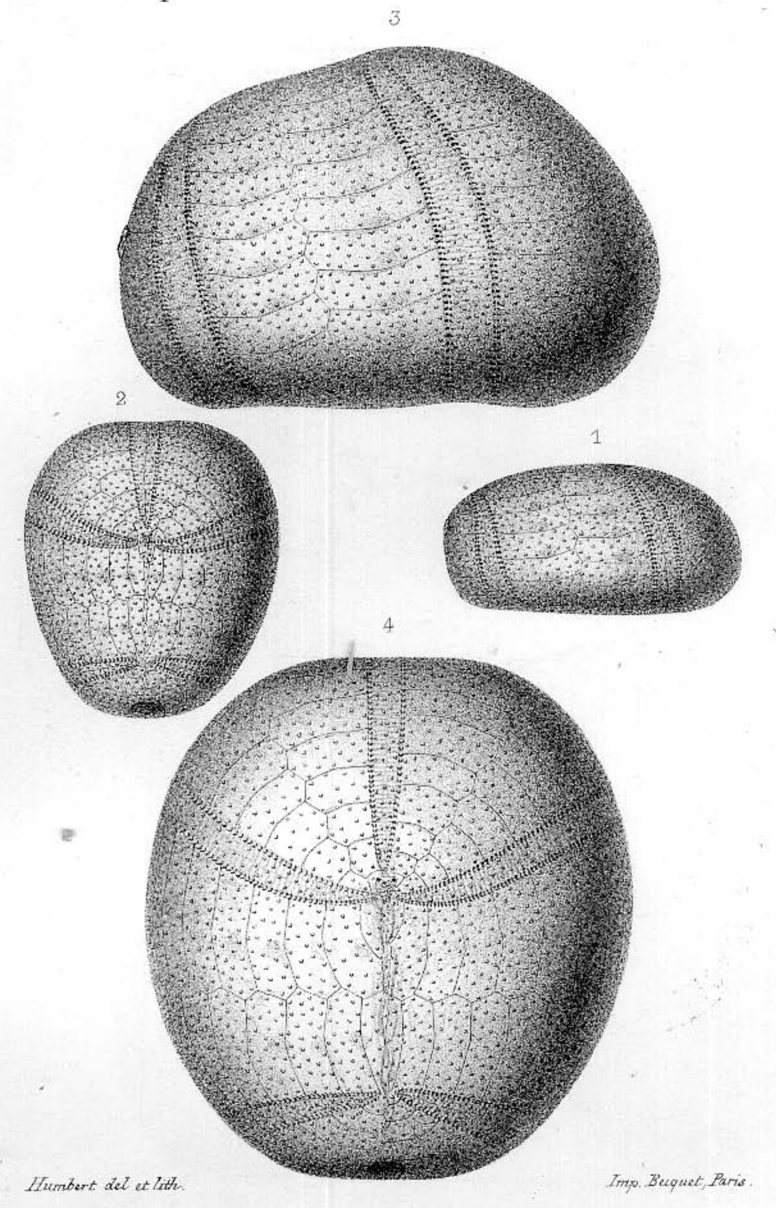


Humbert del et lith. Imp. Becquet, Paris.

Collyrites elliptica, Des Moulins. Bathonien et Callovien.

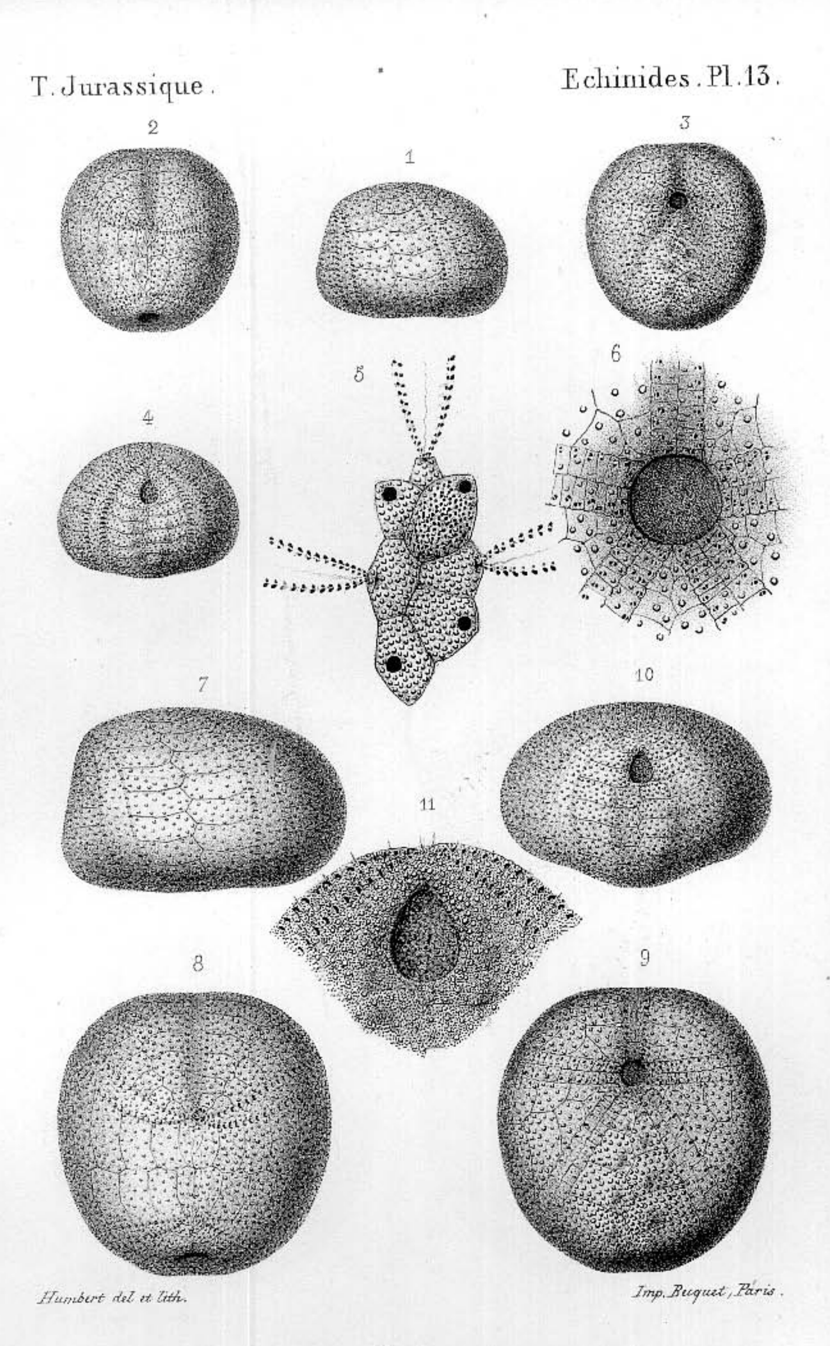


Collyrites elliptica, Des Moulins. Callovien.



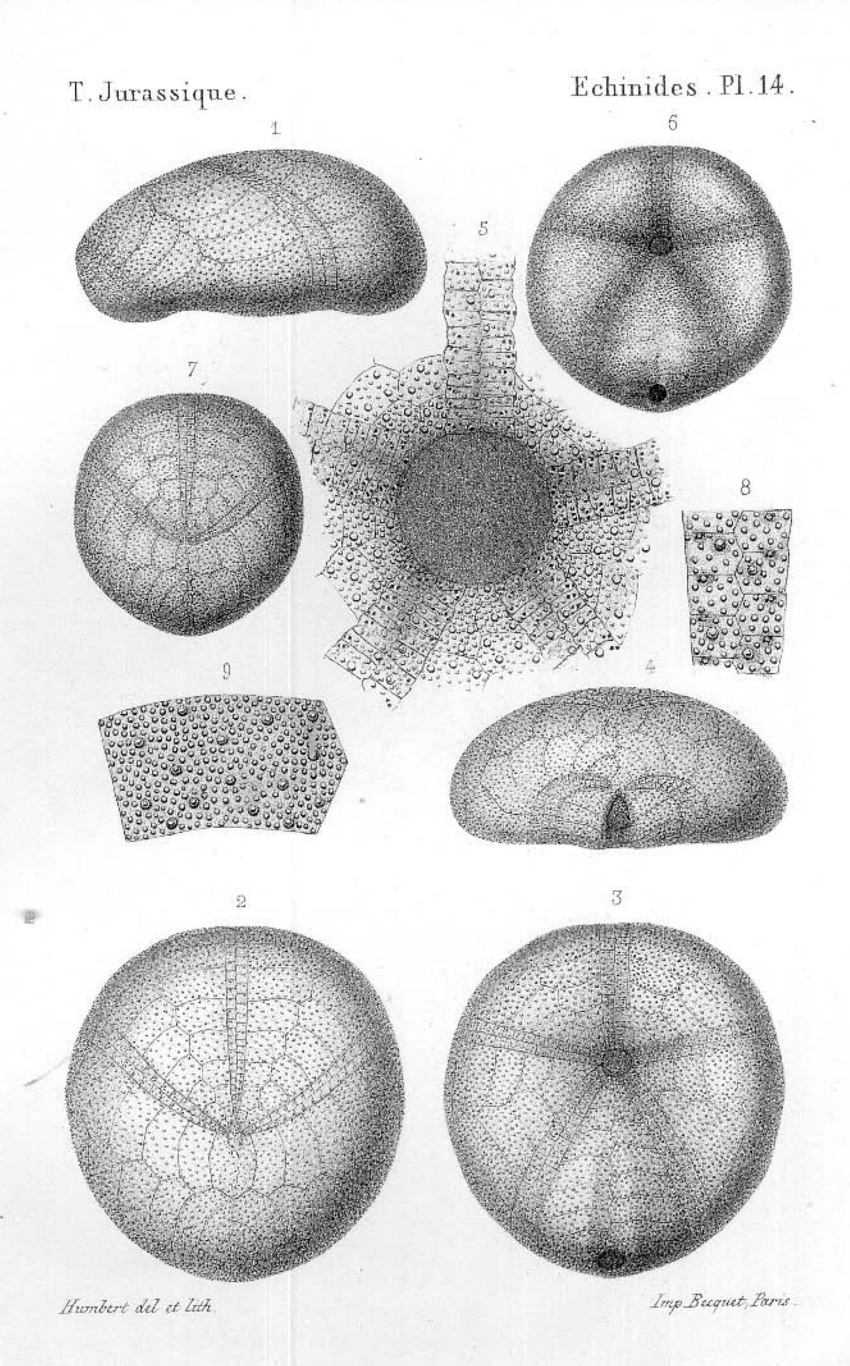
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Collyrites elliptica, Des Moulins. Callovien.



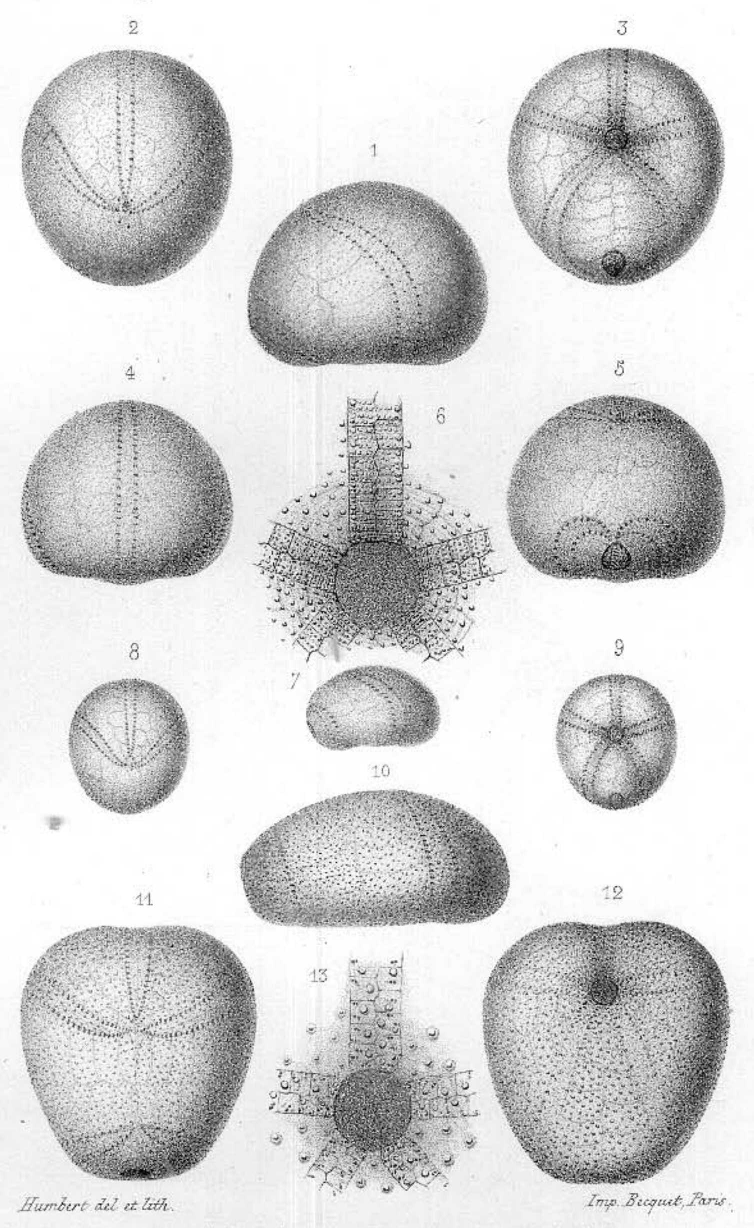
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Collyrites dorsalis, d'Orbigny. Callovien.



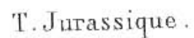
Humbert del et lith. Imp. Becquet, Paris.

Collyrites pseudo-ringens, Cotteau. Callovien.



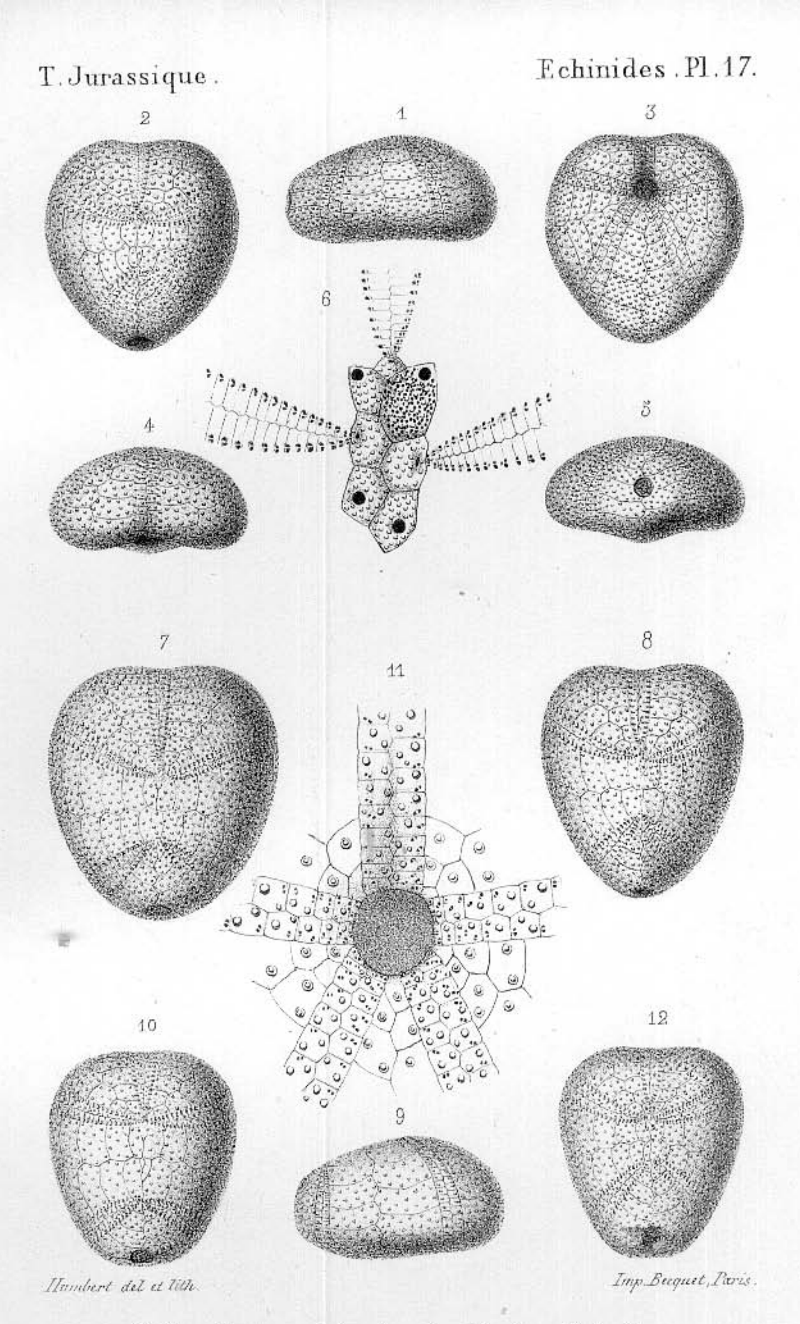
Humbert del et lith. Imp. Becquet, Paris.

1 – 9. *Collyrites castanea*, Desor. Callovien.
10 – 13. *C. ——— acuta*, ——— ———



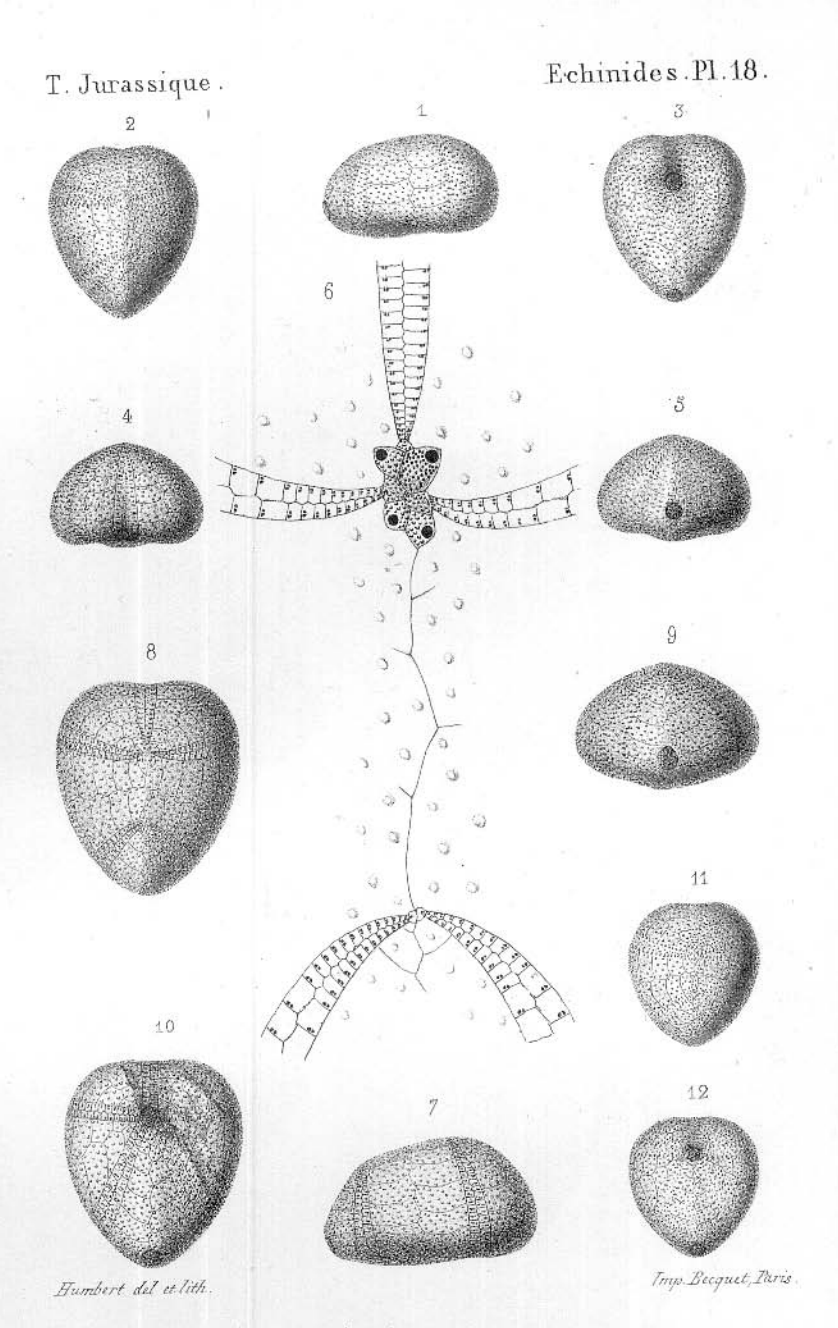
Humbert del et lith. Imp. Becquet, Paris.

1 _ 6. *Collyrites acuta*, Desor. Callovien.
7 – 13. *C.* ——— *conica*, Cotteau. Oxfordien.



Humbert del et lith. Imp. Becquet, Paris.

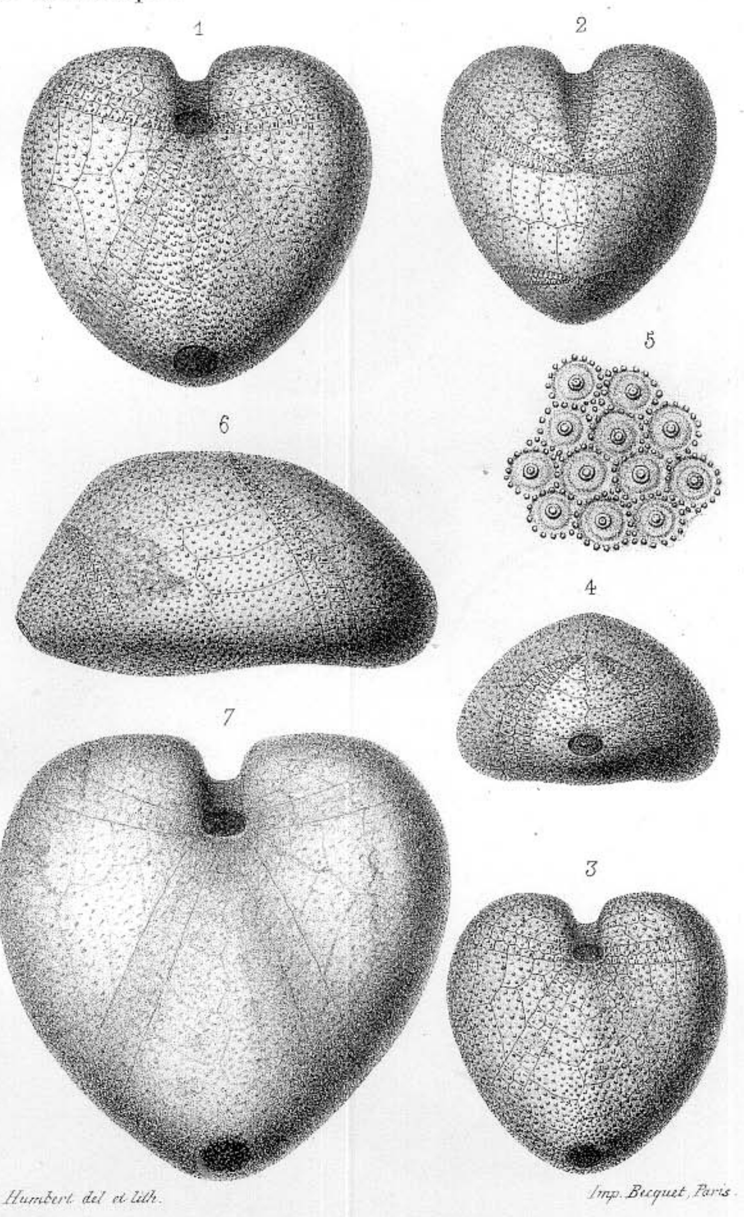
Collyrites capistrata, Des Moulins. Oxfordien sup.



Humbert del et lith.

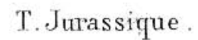
Imp. Becquet, Paris.

Collyrites carinata, Des Moulins. Oxford sup.



Humbert del et lith. Imp. Becquet, Paris.

Collyrites Friburgensis, Ooster. Oxford sup.



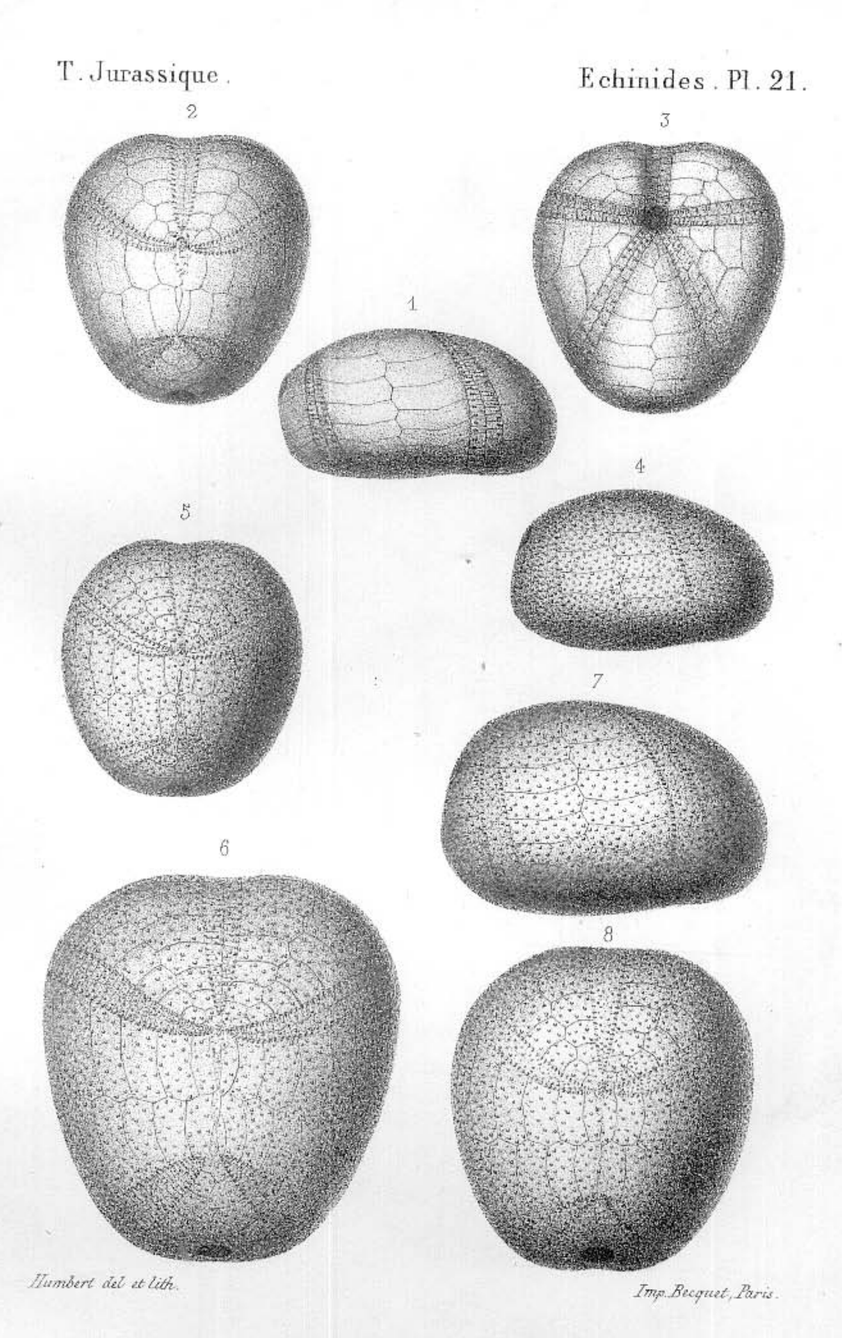
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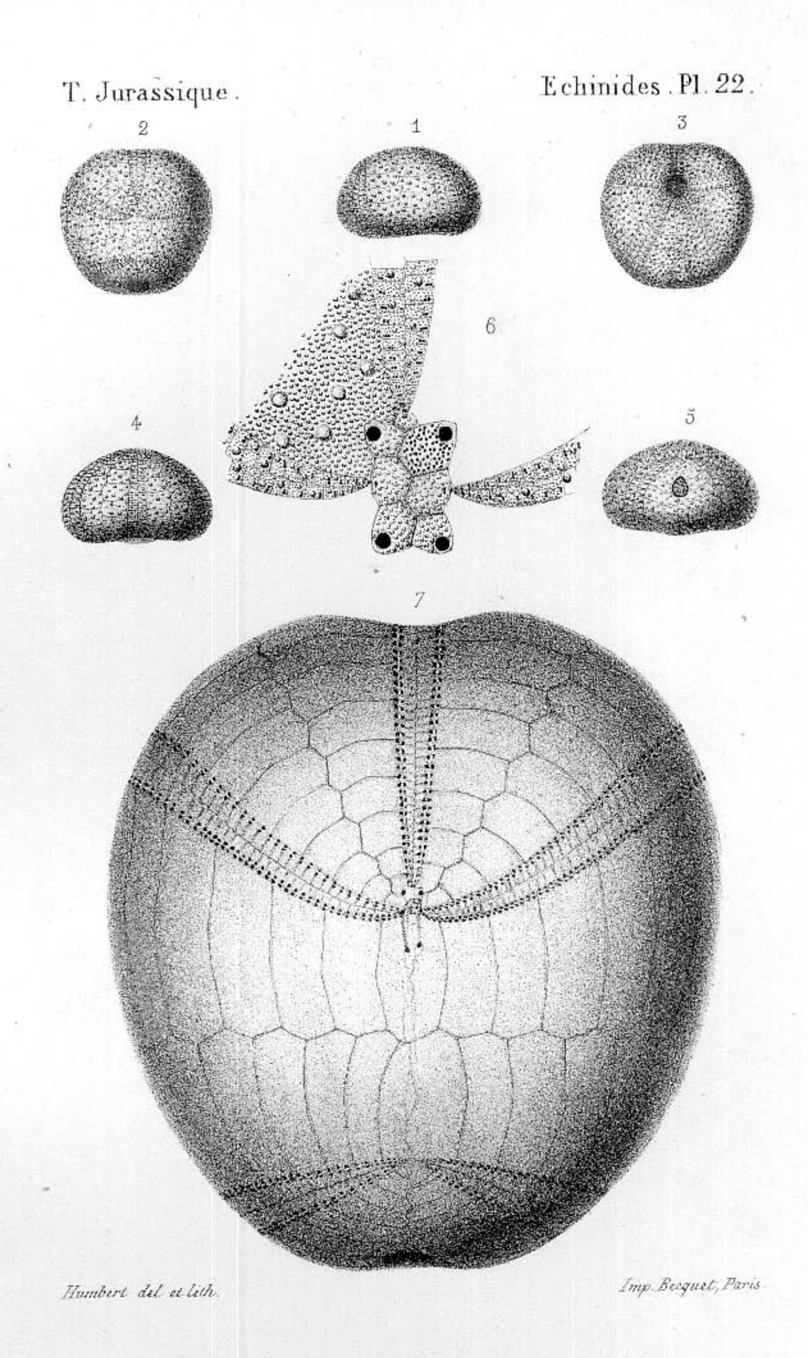
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Collyrites Voltzi, Desor. Oxford sup.



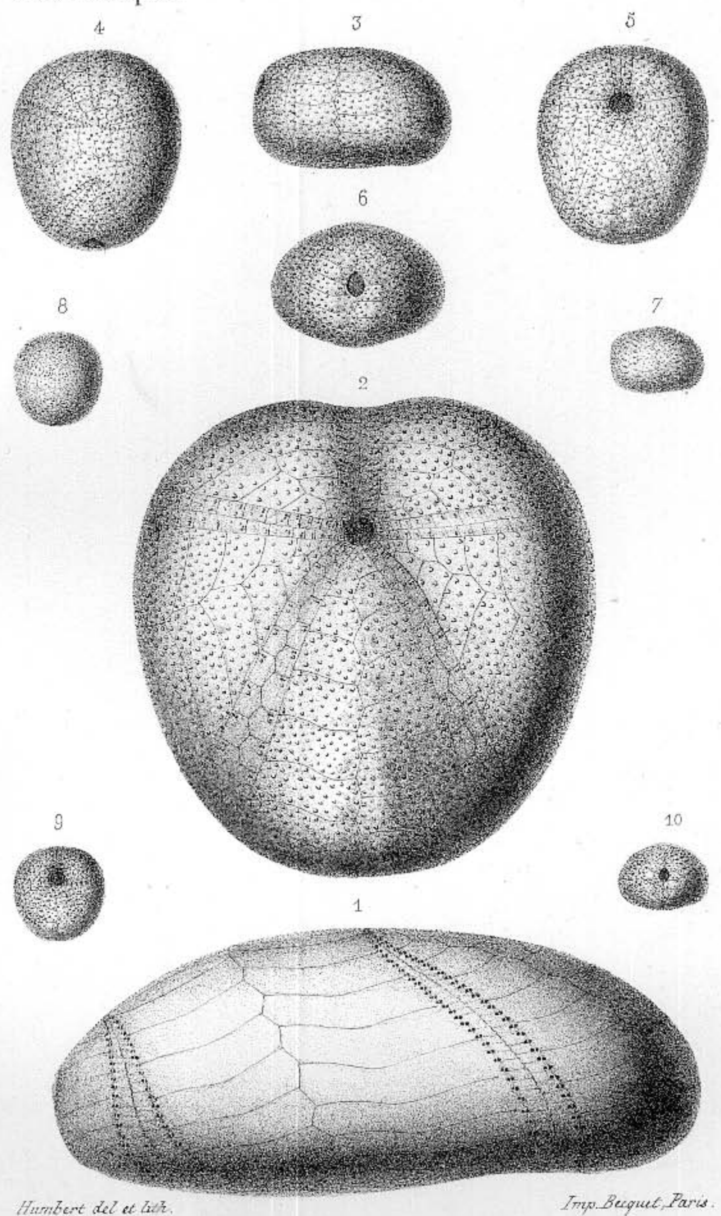
Humbert del. et lith. Imp. Becquet, Paris.

Collyrites bicordata, Des Moulins. Oxfordien.



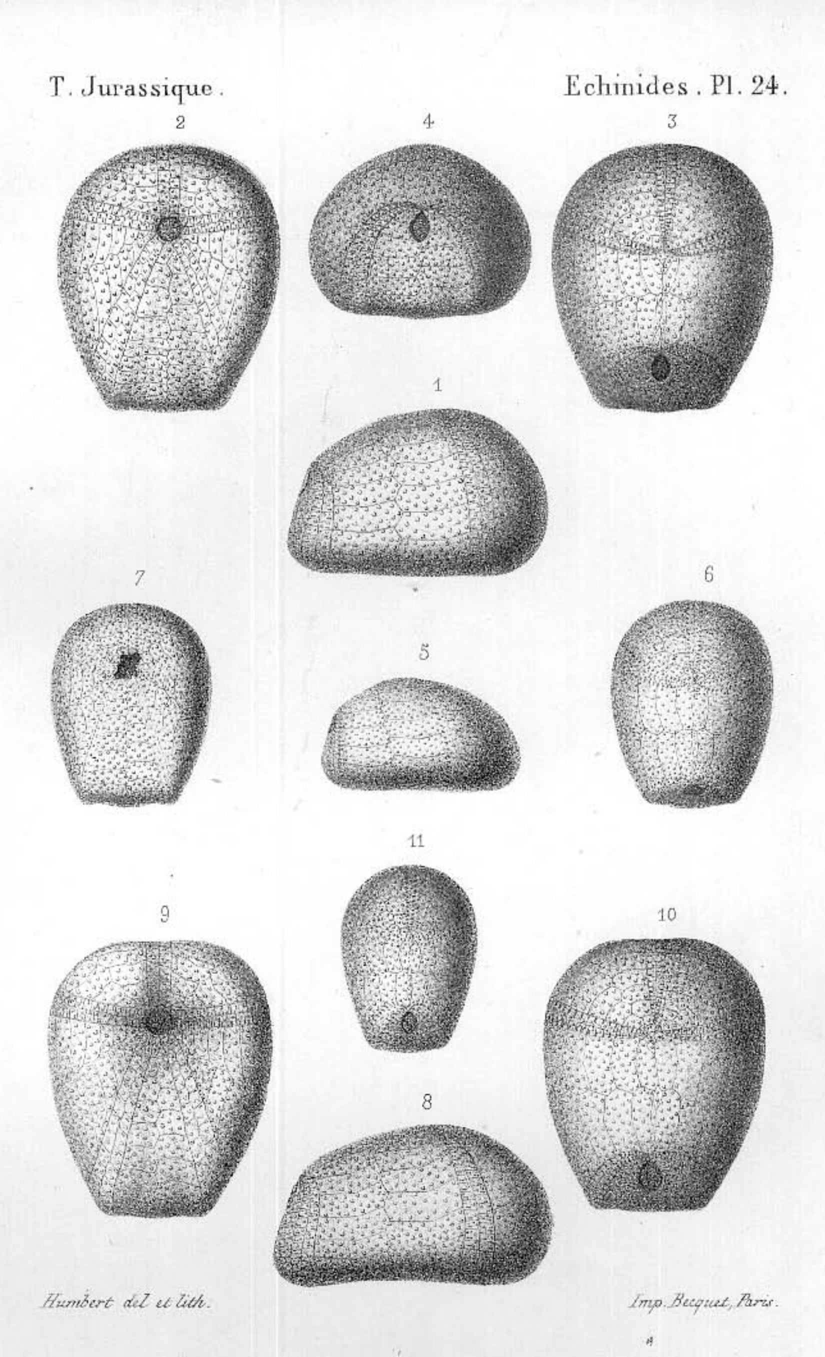
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1 _ 6. *Collyrites bicordata*, Des Moulins. Oxford sup.
7. *C. ____ Desoriana*, Cotteau. Corallien.



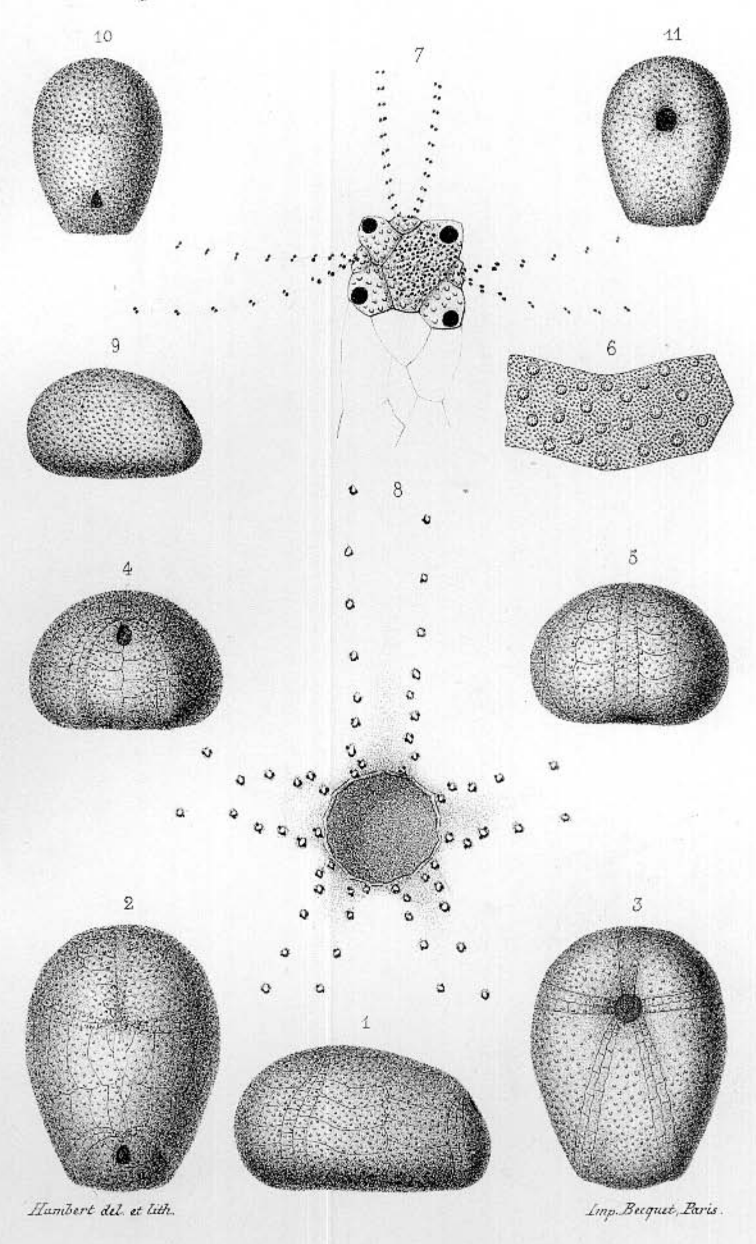
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1 _ 2. *Collyrites Desoriana*, Cotteau. Corallien.
3 _ 10. *C. —— Loryi*, d'Orbigny. ——

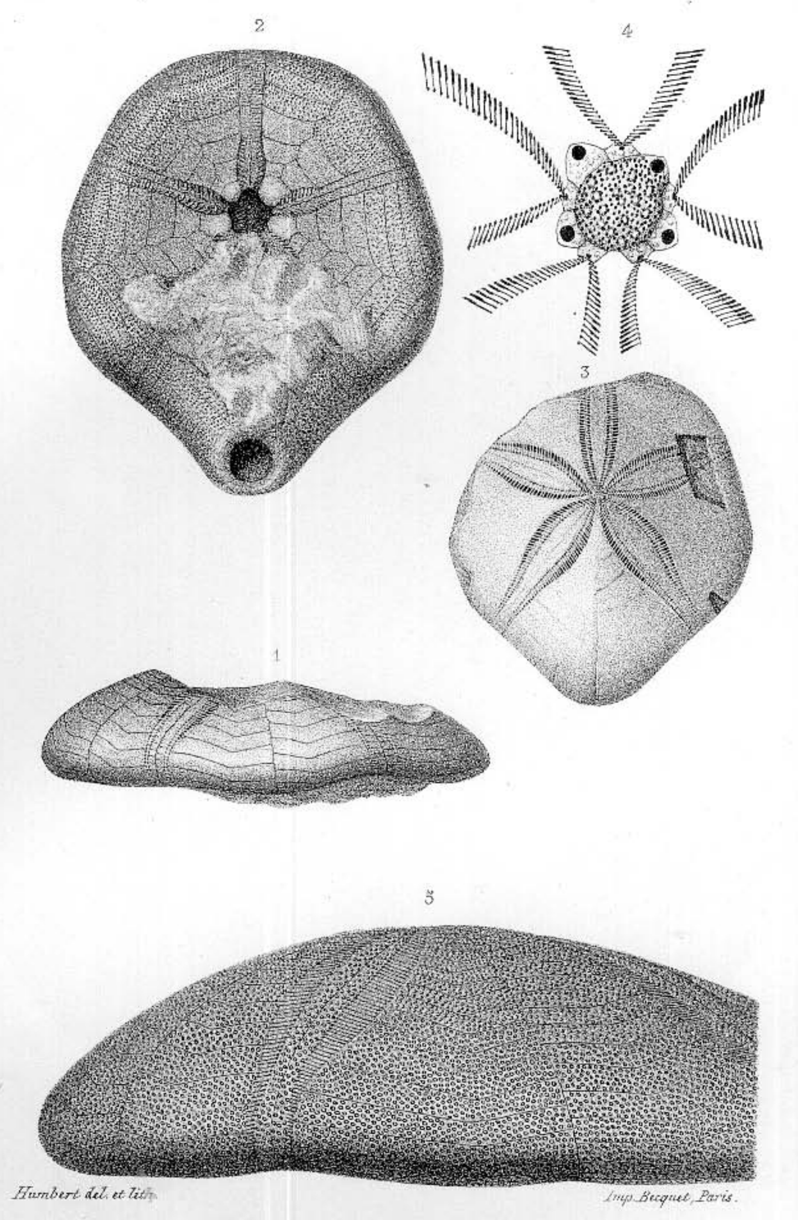


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1 _ 7. *Dysaster Moeschi*, Desor. Oxfordien.
8 _ 11. *D.* ——— *granulosus*, Agassiz. Oxford sup.

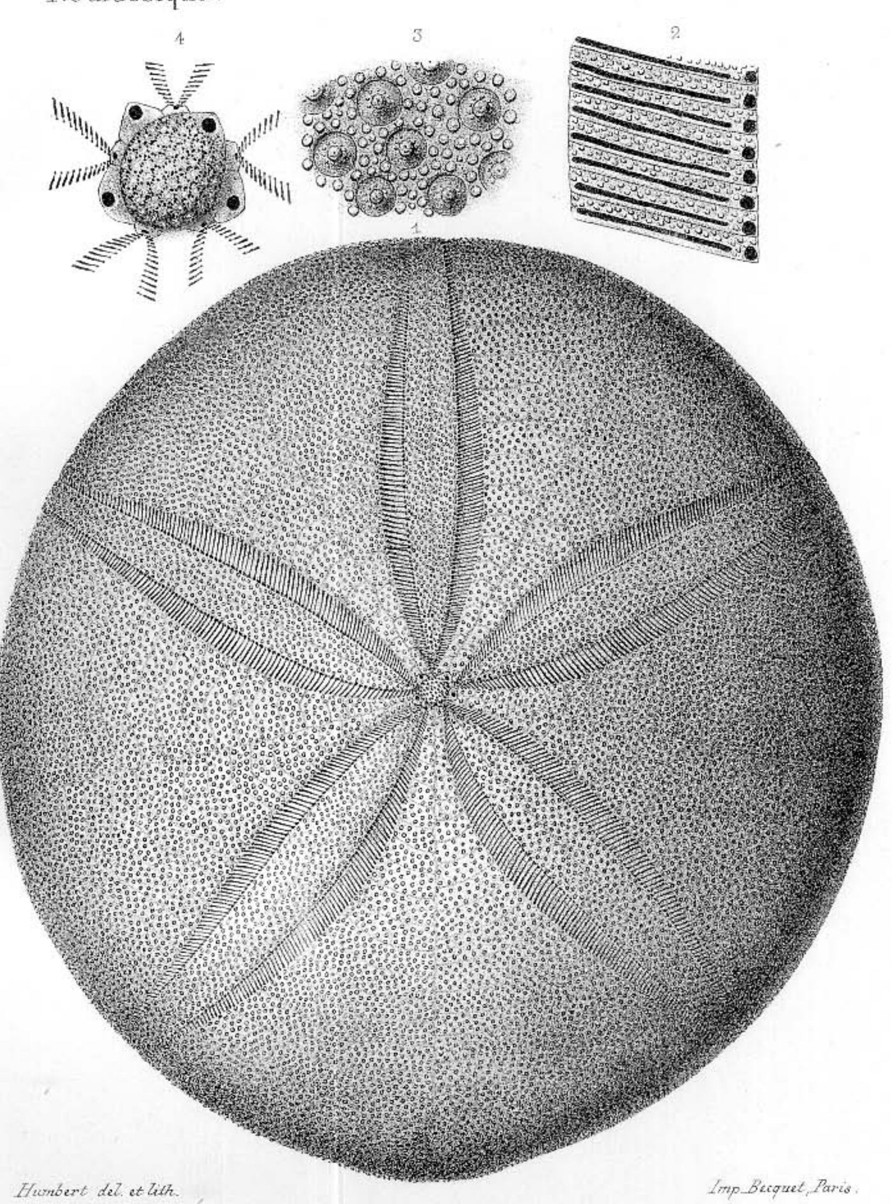


Dysaster granulosus, Agassiz. Kimmeridien.



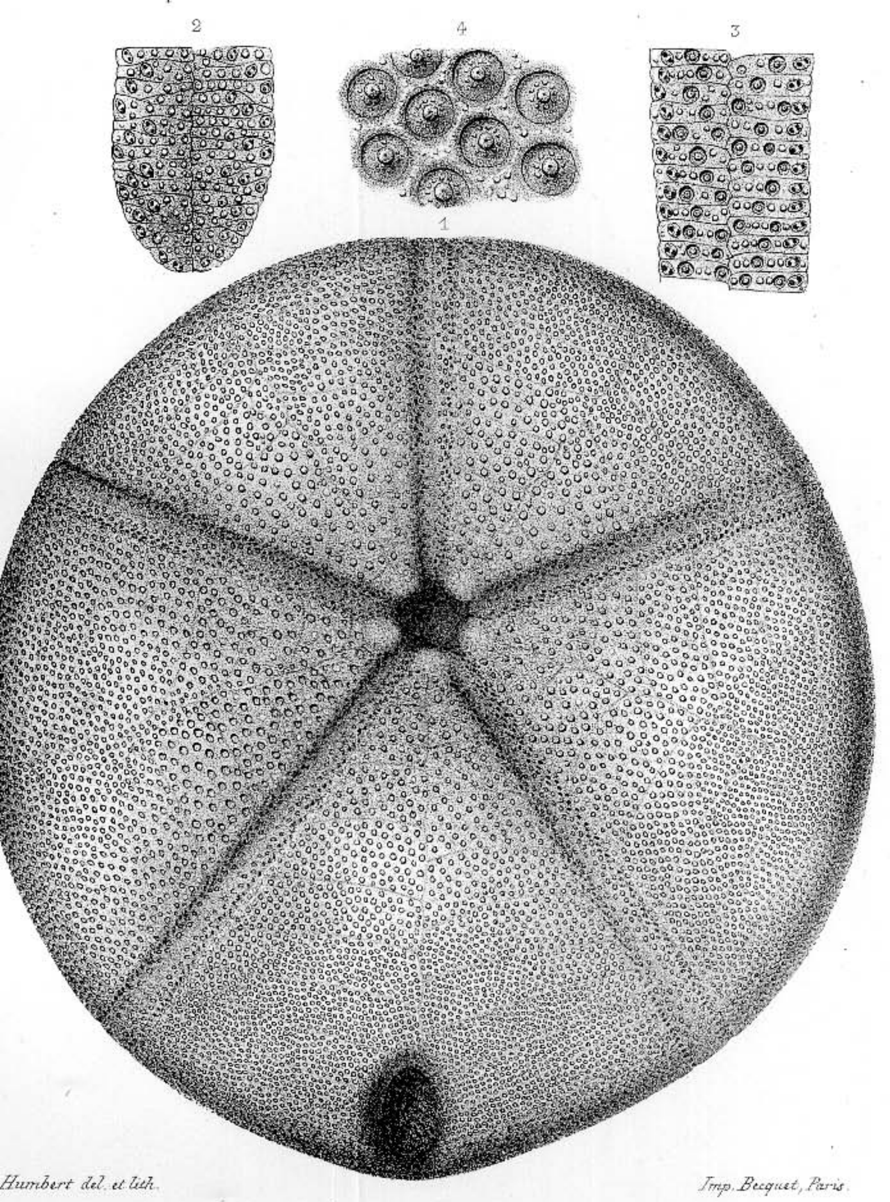
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1 – 4. *Pygurus acutus*, Agassiz. Bajocien.
5. *P.* —— *Terquemi*, Cotteau. —— ?



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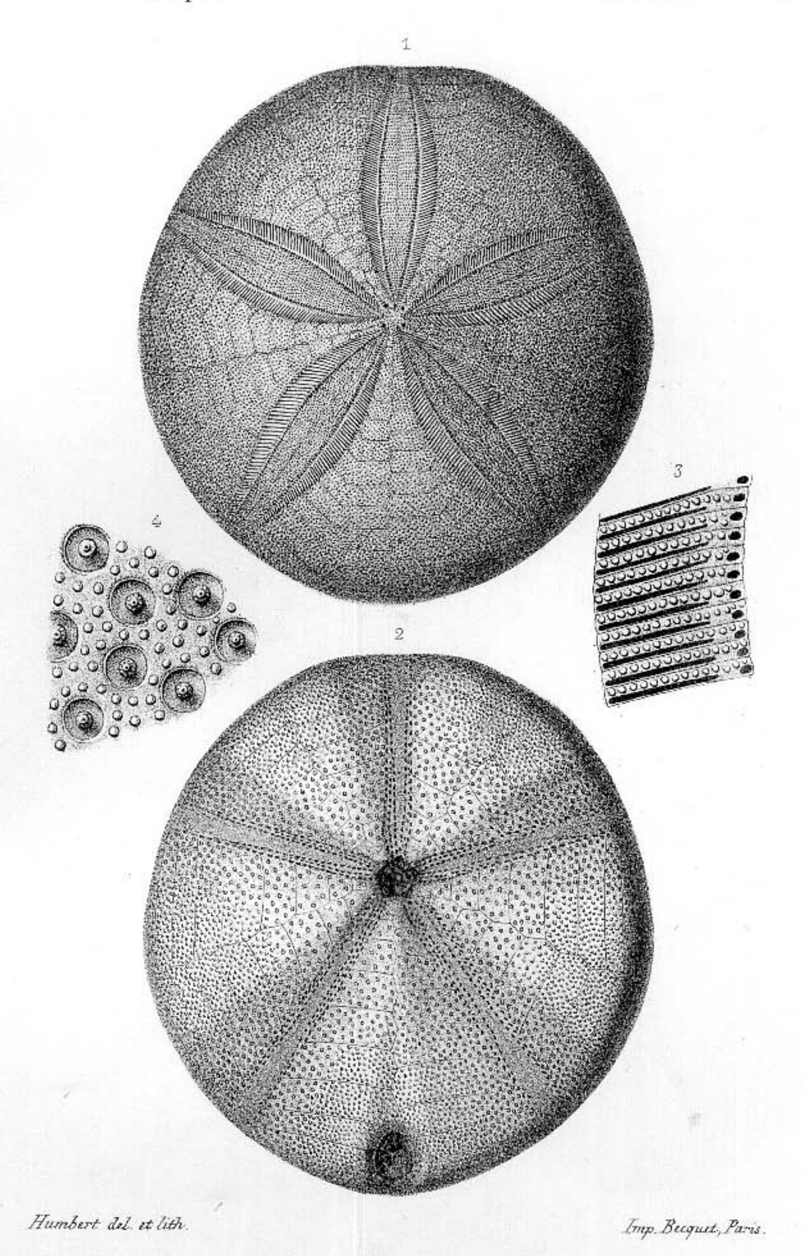
Pygurus Terquemi, Cotteau. Bajocien ?



Humbert del. et lith.

Imp. Becquet, Paris.

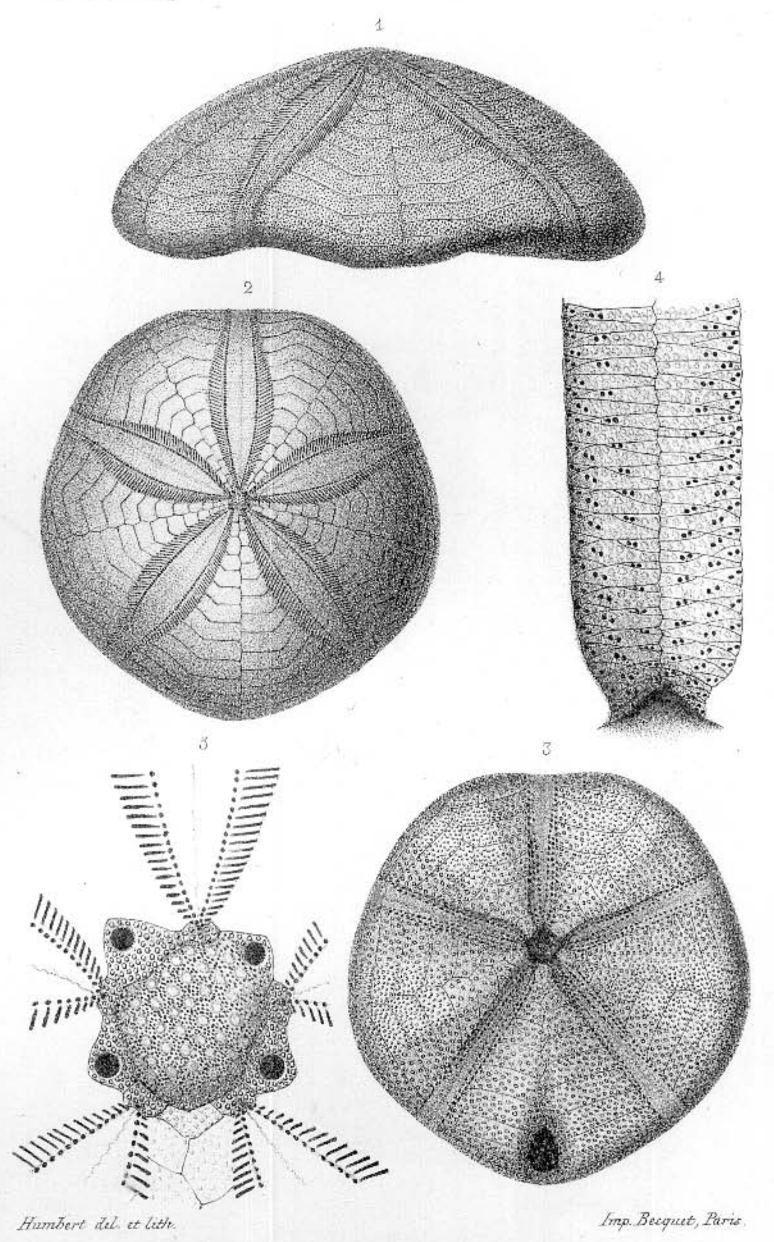
Pygurus Terquemi, Cotteau. Bajocien ?



Humbert del. et lith.

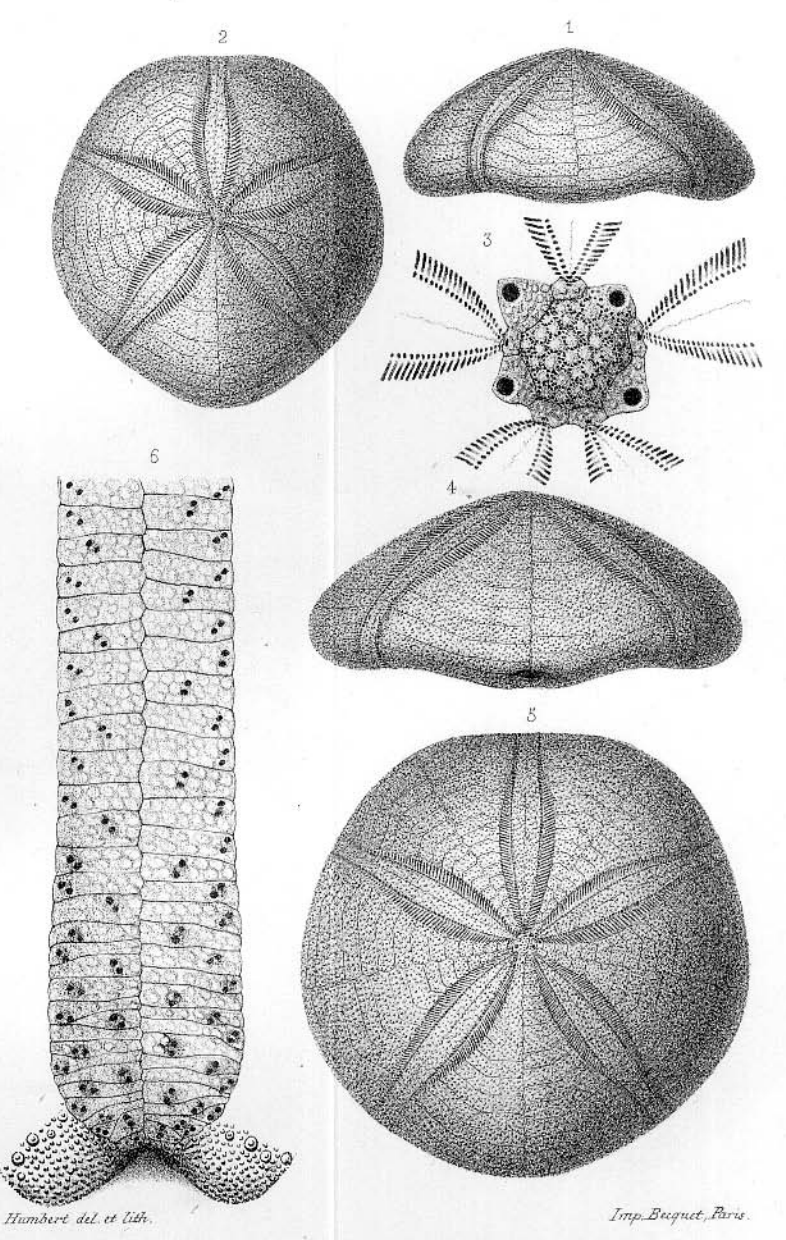
Imp. Becquet, Paris.

Pygurus Michelini, Cotteau. Bathonien.



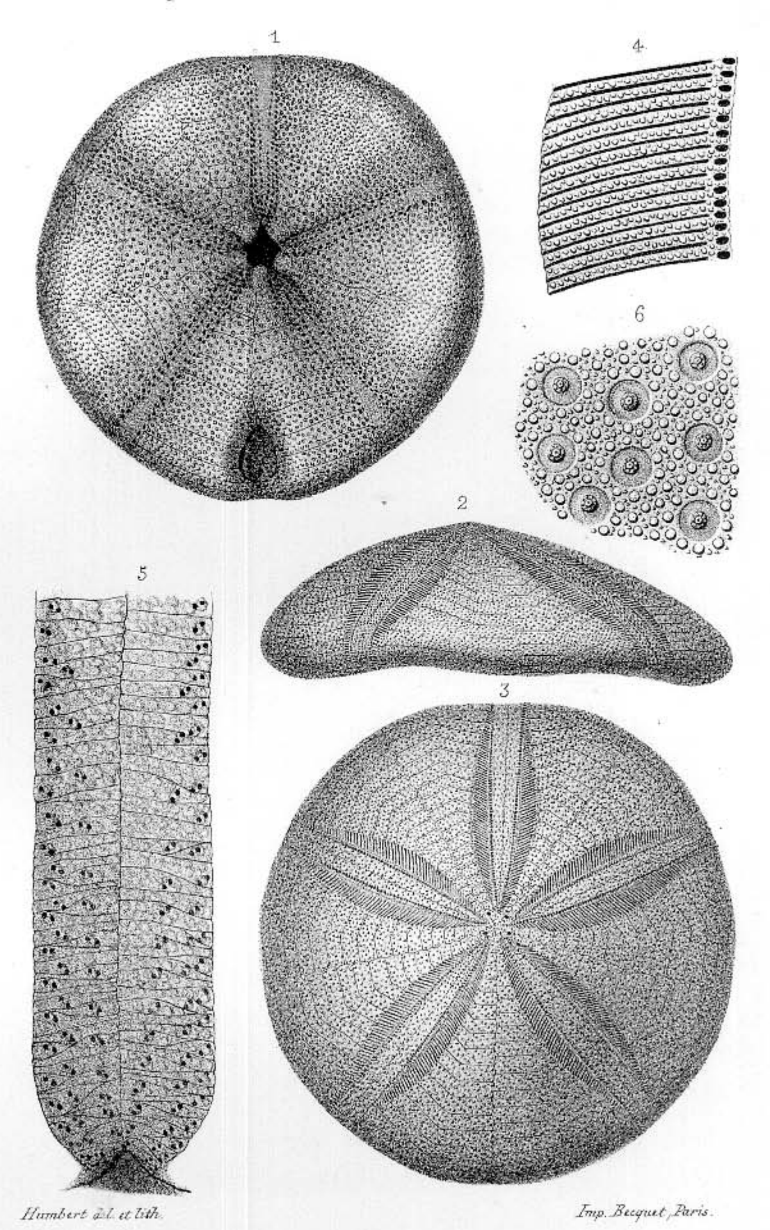
Humbert del. et lith. Imp. Becquet, Paris.

Pygurus Michelini, Cotteau. Bathonien.



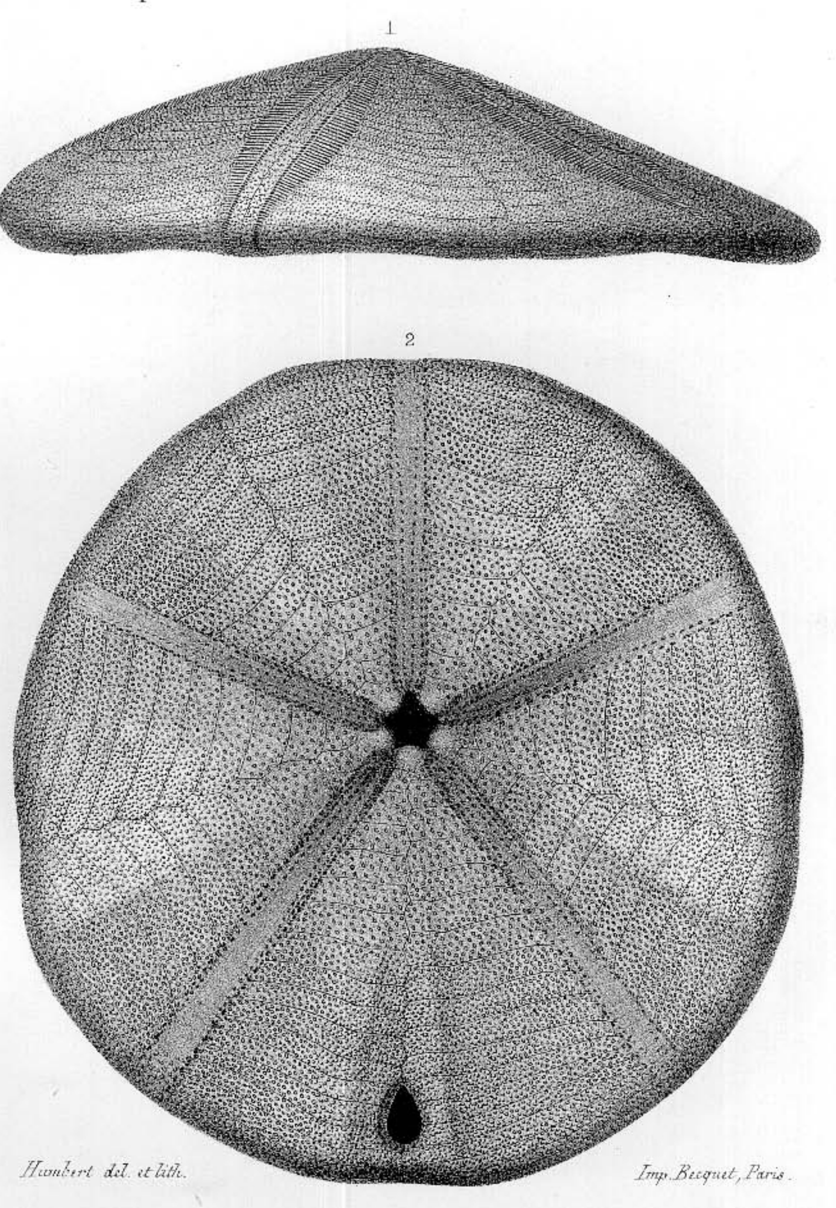
Humbert del. et lith. Imp. Becquet, Paris.

Pygurus depressus, Agassiz. Bathonien et callovien.



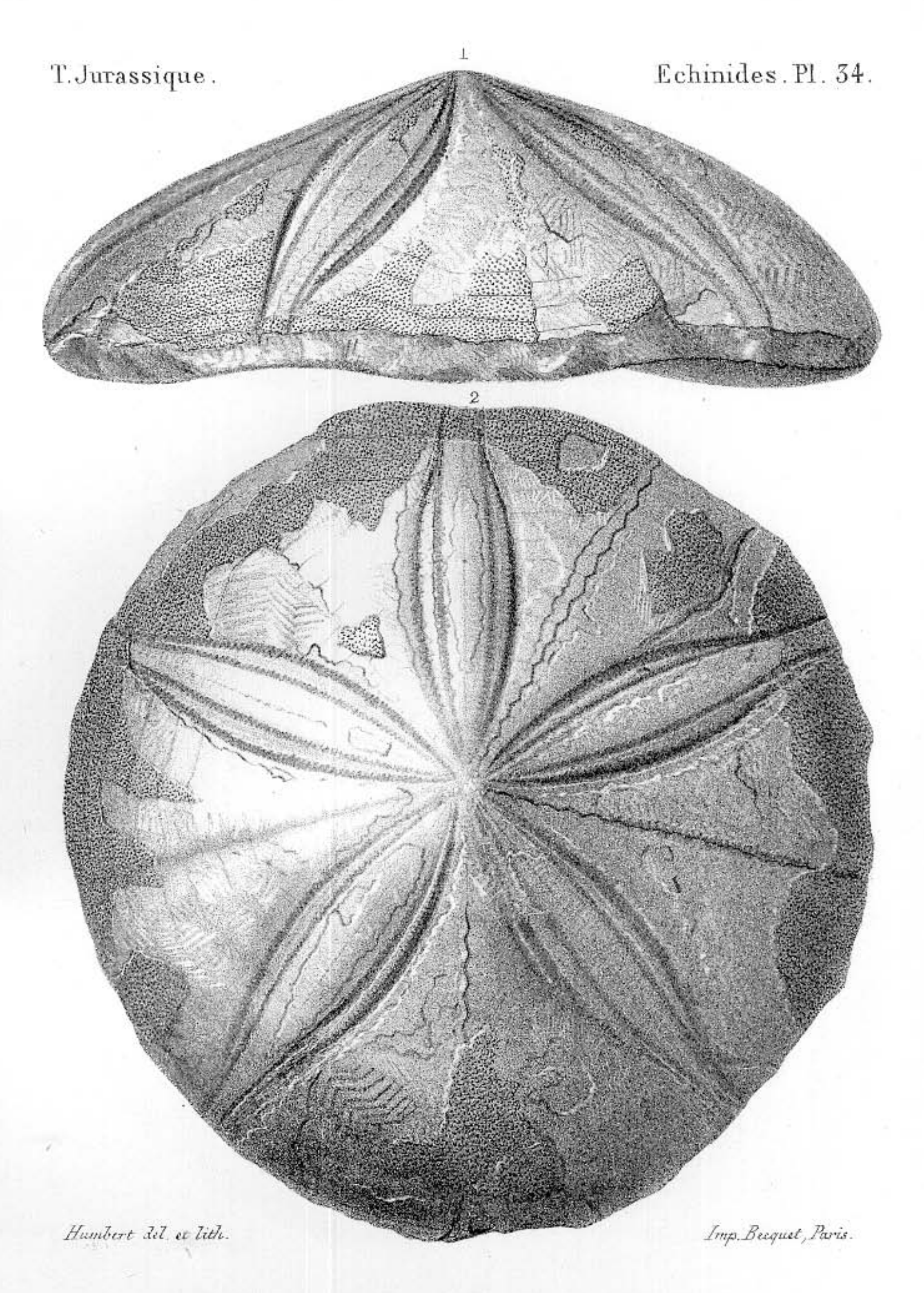
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1. *Pygurus depressus*, Agassiz. Callovien.
2 _ 6. *P. ______ Marmonti*, Beaudouin. ______



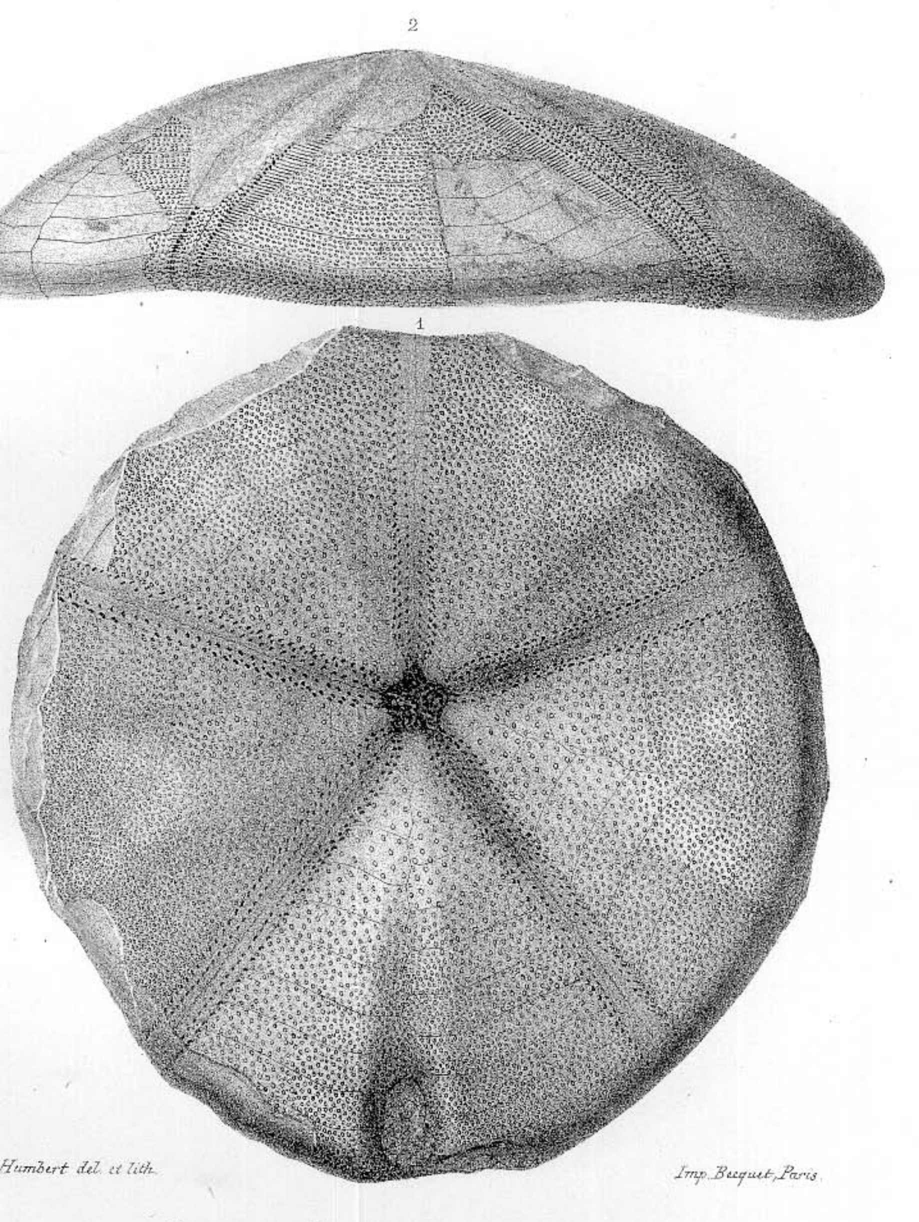
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Pygurus Marmonti, Beaudouin, Callovien.



Humbert del. et lith. Imp. Becquet, Paris.

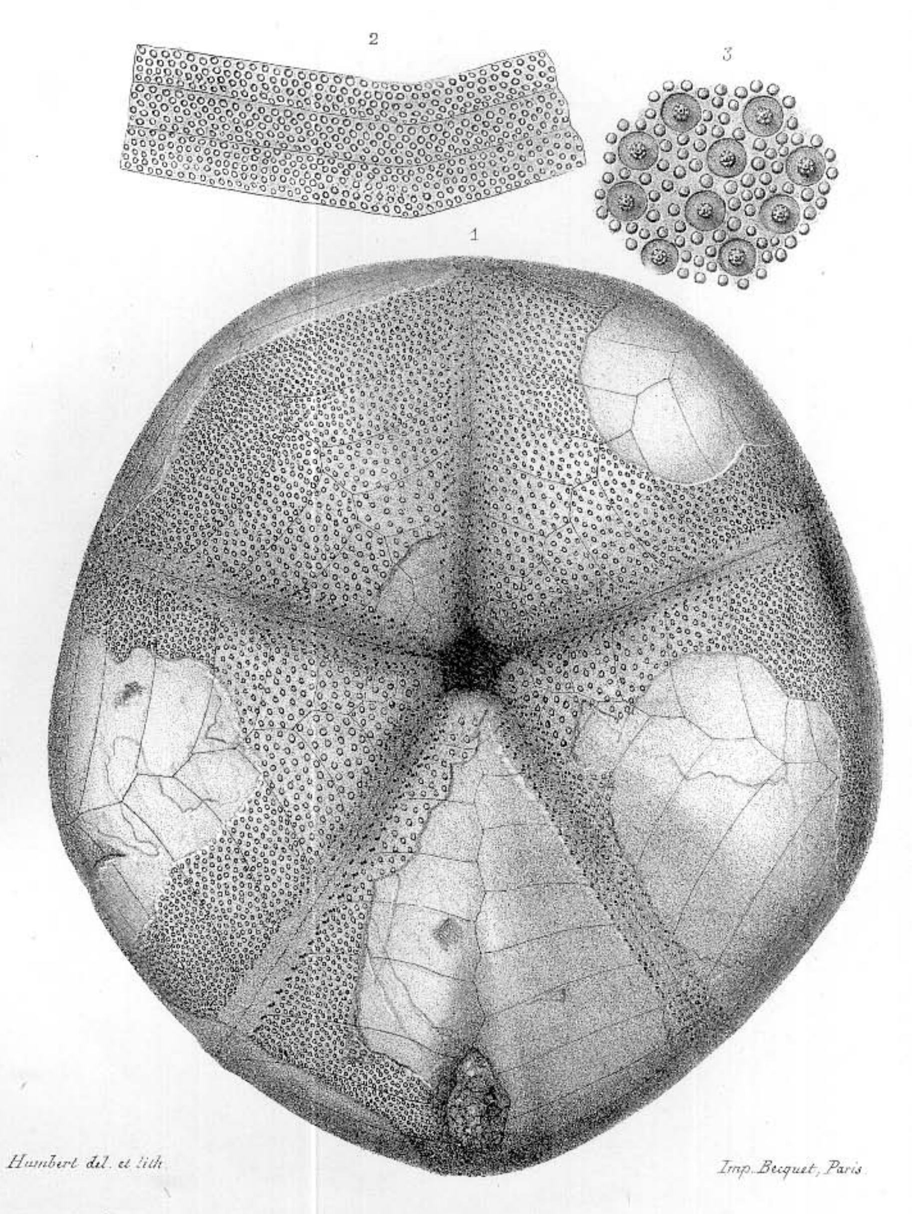
Pygurus Icaunensis, Cotteau. Corallien.



Humbert del. et lith.

Imp. Becquet, Paris.

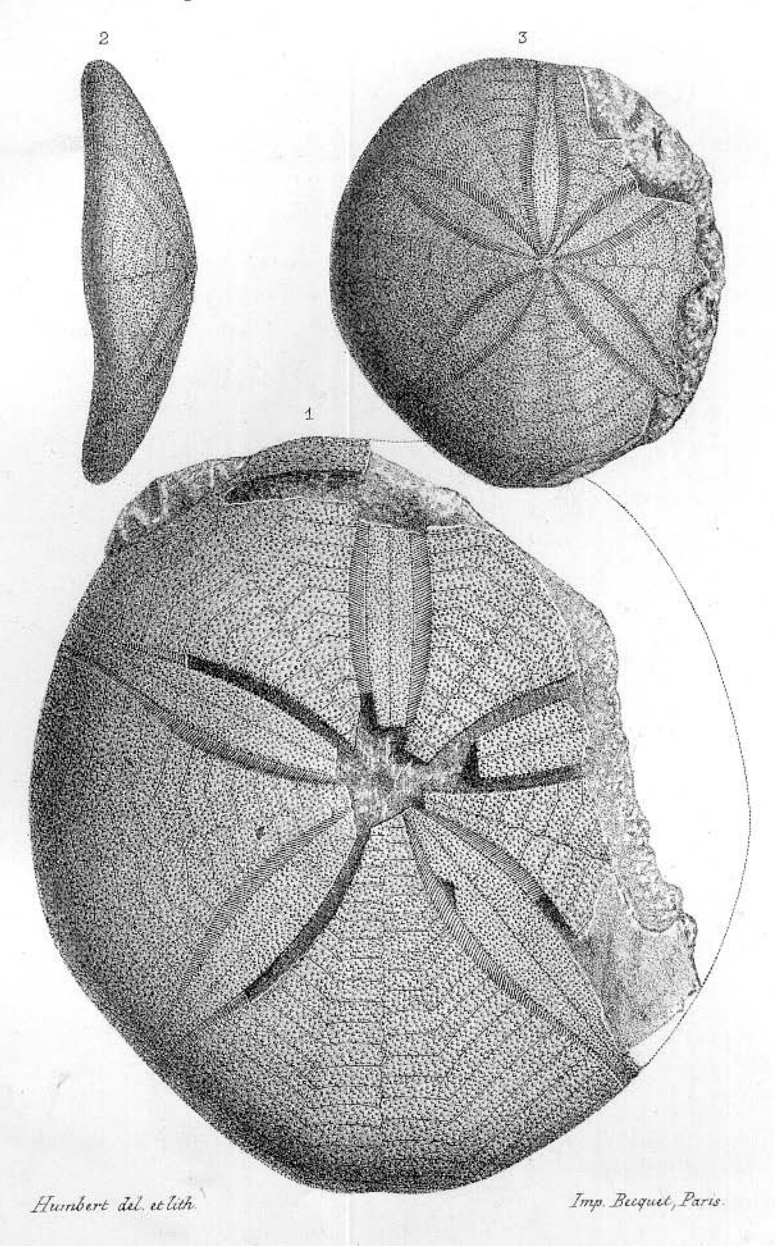
1. *Pygurus Icaunensis*, Cotteau. Corallien.
2. *P.* ——— *Hausmanni*, Agassiz. ———



Humbert del. et lith

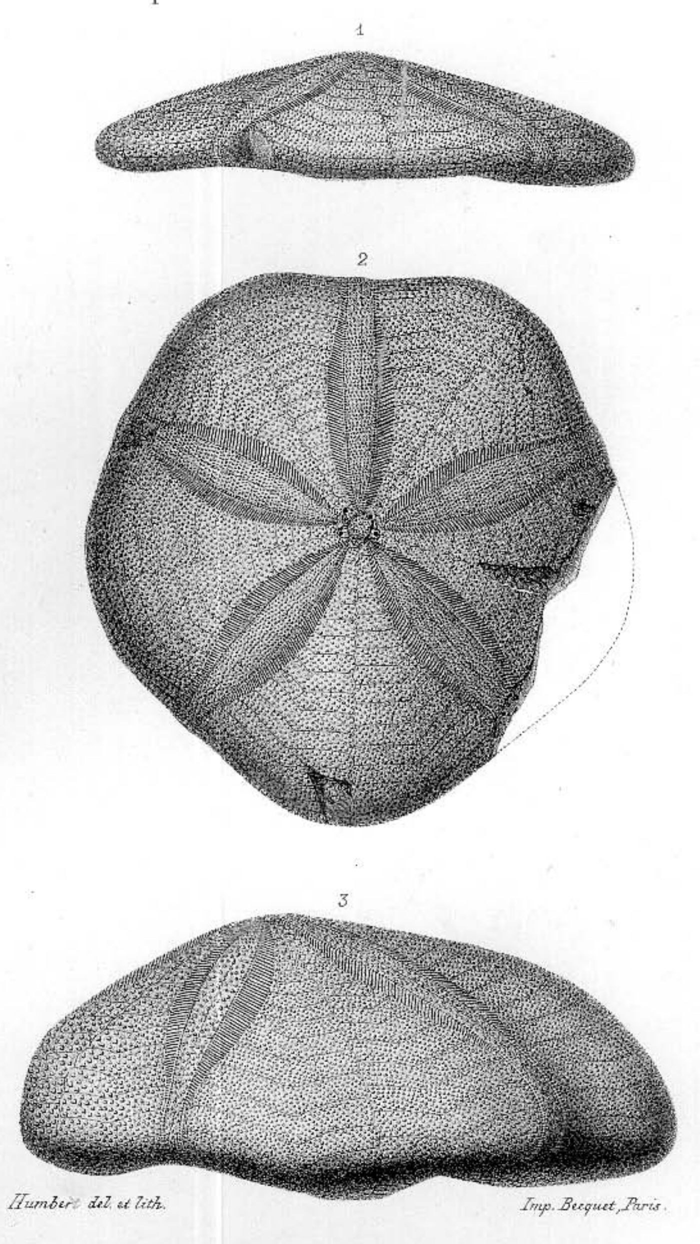
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Pygurus Hausmanni, Agassiz. Corallien.



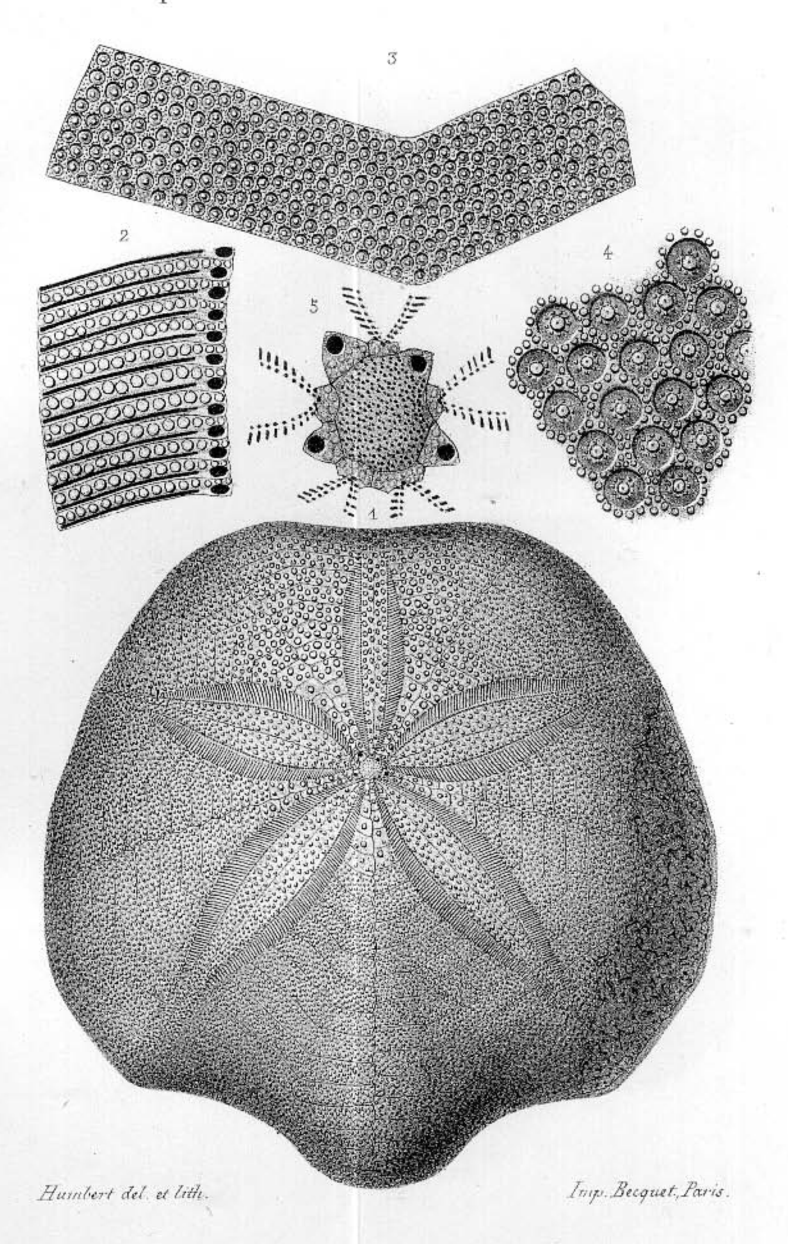
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Pygurus Hausmanni, Agassiz. Corallien.



Humbert del. et lith. *Imp. Becquet, Paris.*

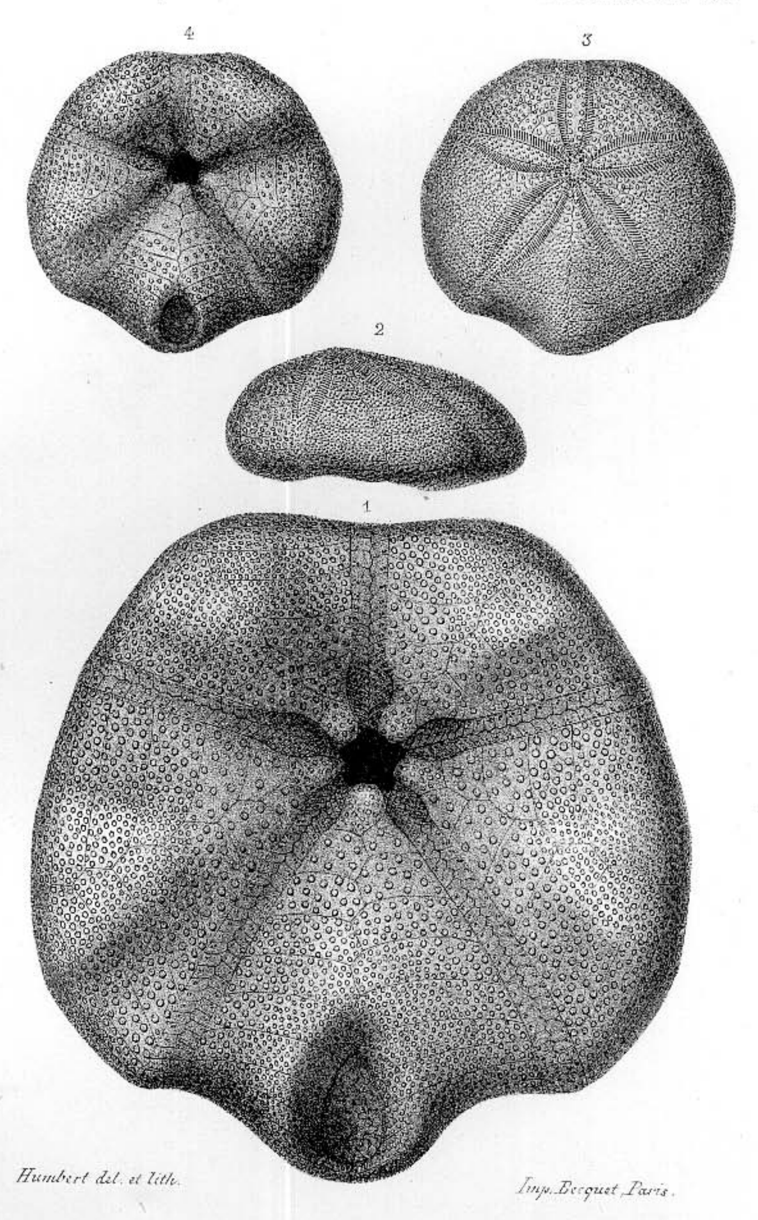
1_2. *Pygurus costatus*, *Wright*. *Corallien.*
3. *P.* ——— *Blumenbachi*, *Agassiz.* ———



Humbert del. et lith.

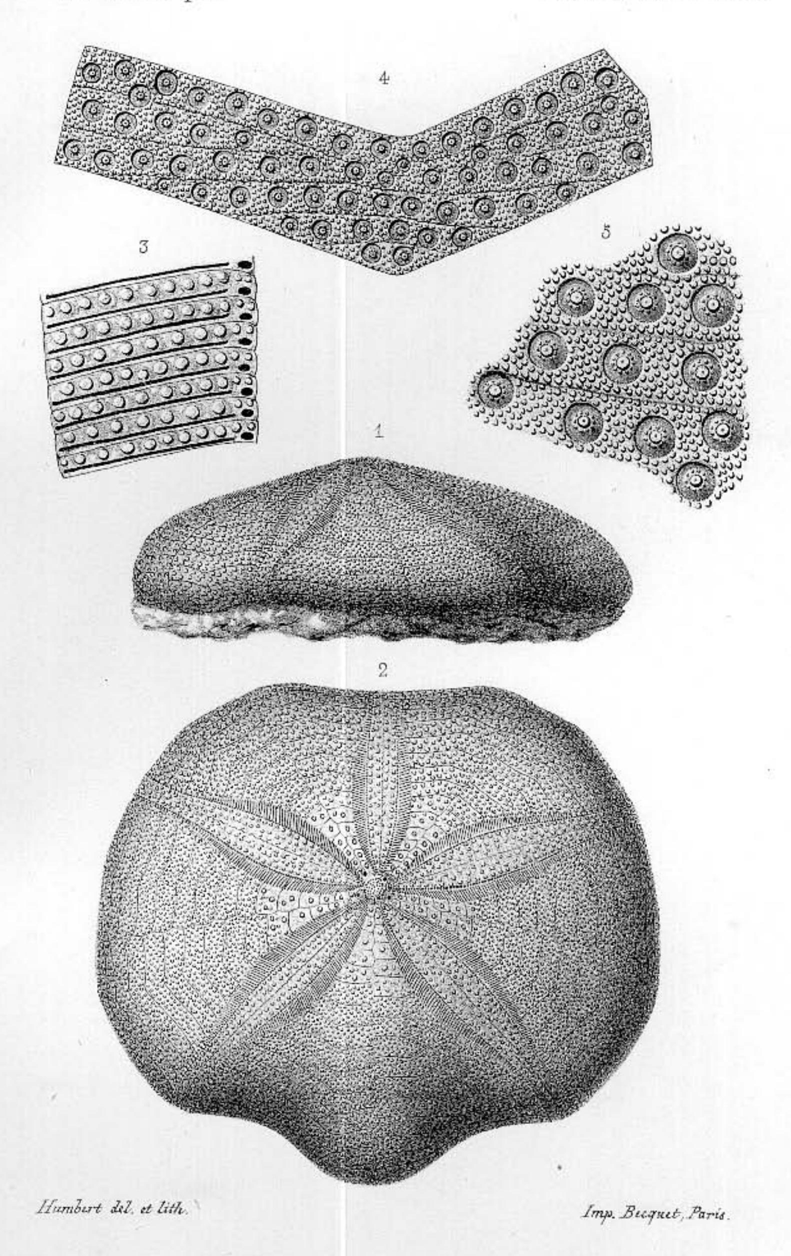
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Pygurus Blumenbachi, Agassiz. Corallien.



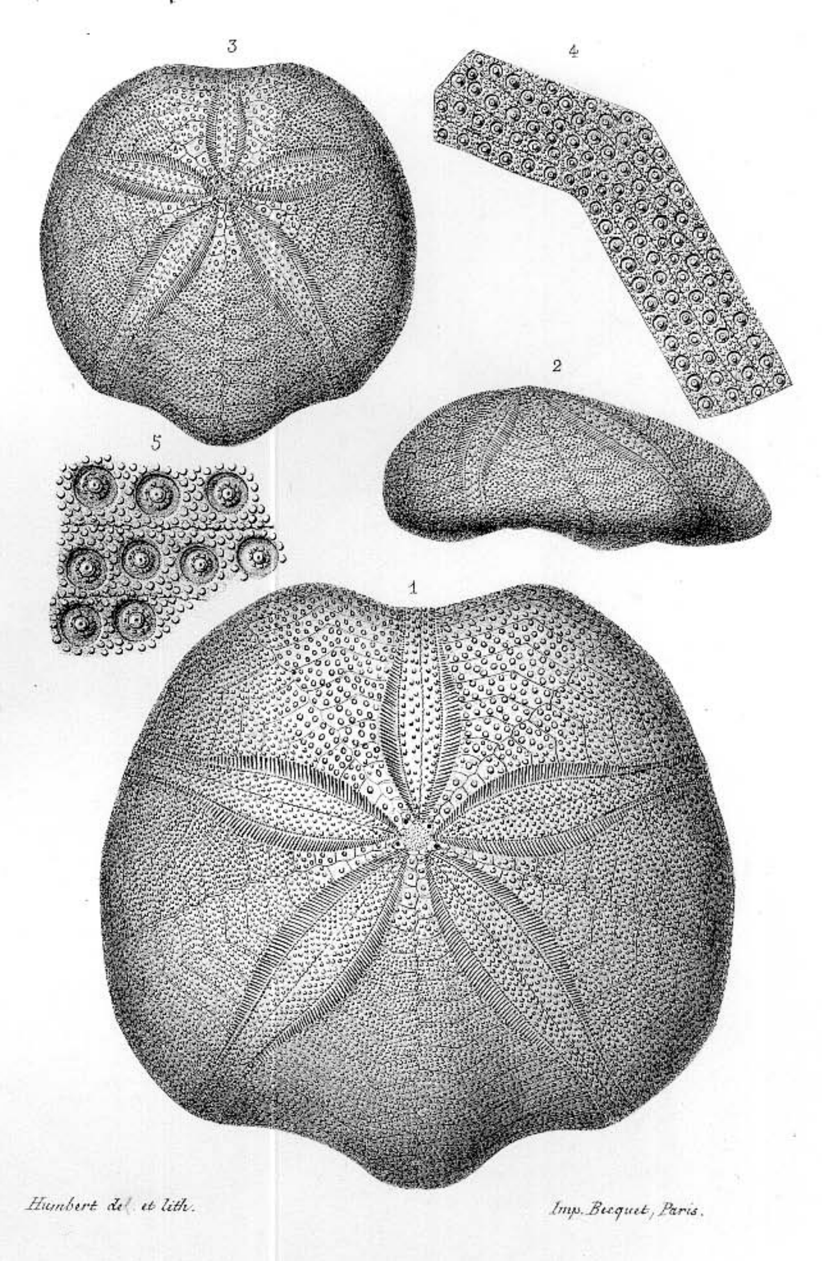
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Pygurus Blumenbachi, Agassiz. Corallien.



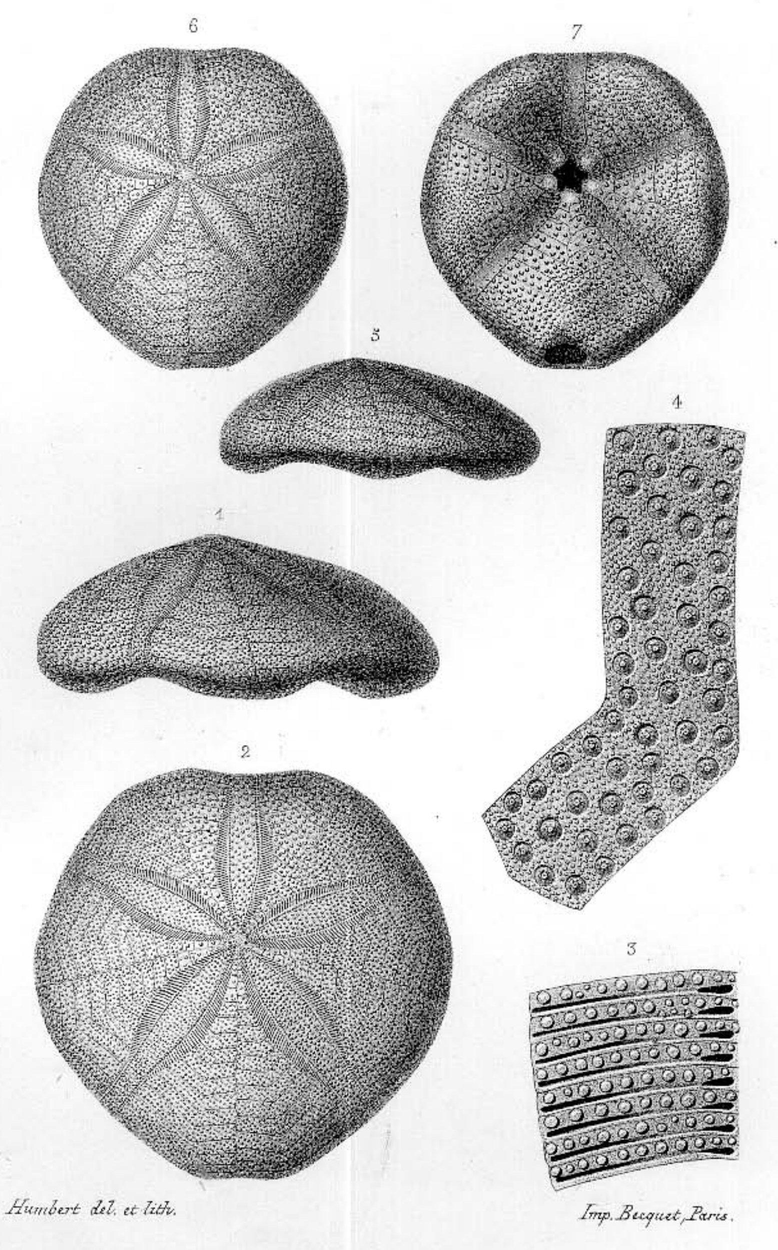
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Pygurus Royerianus, Cotteau. Kimmeridgien.



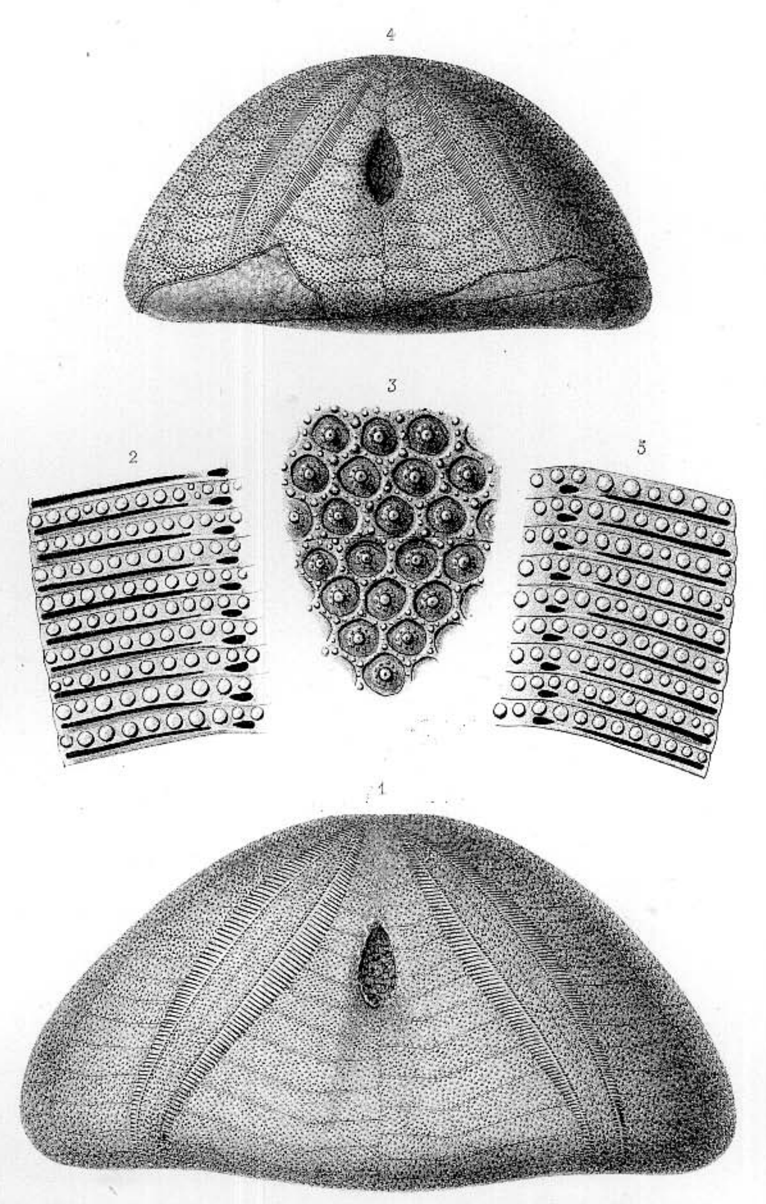
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Pygurus Royerianus, Cotteau. Portlandien.



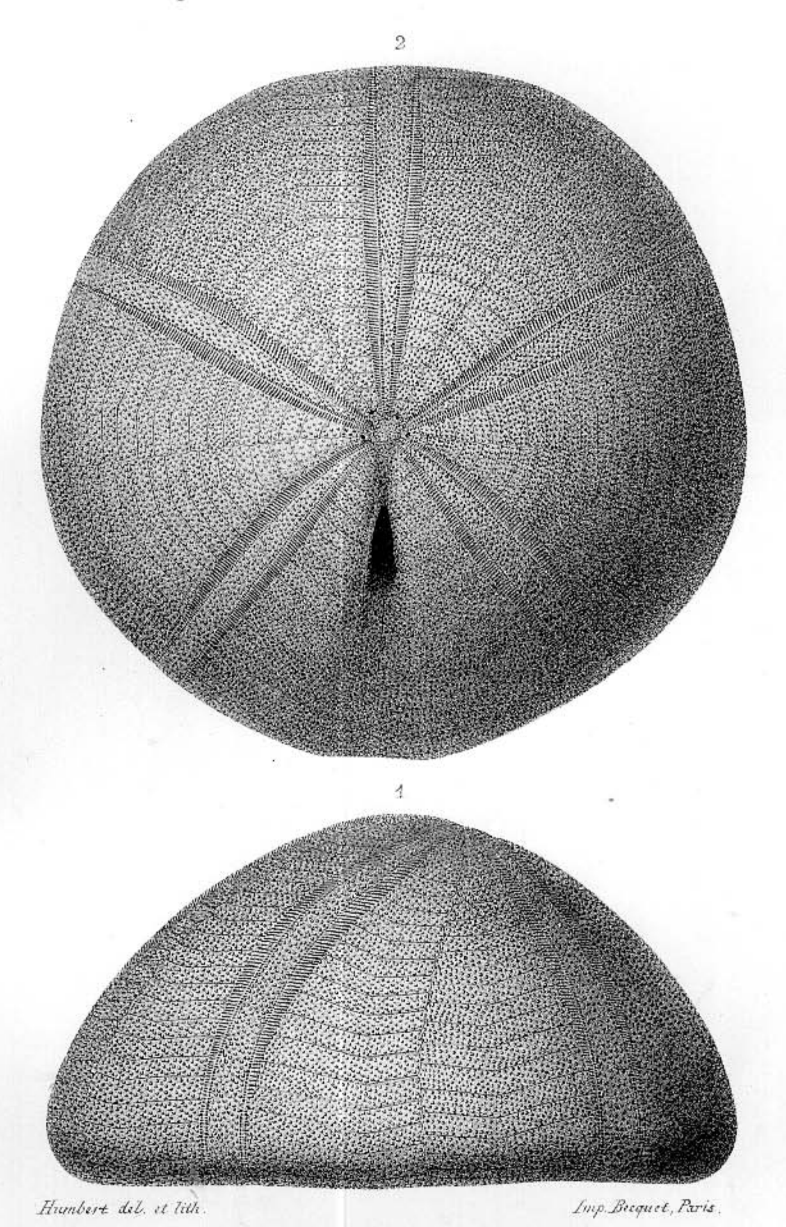
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Pygurus jurensis, Marcou. Kimmeridgien.



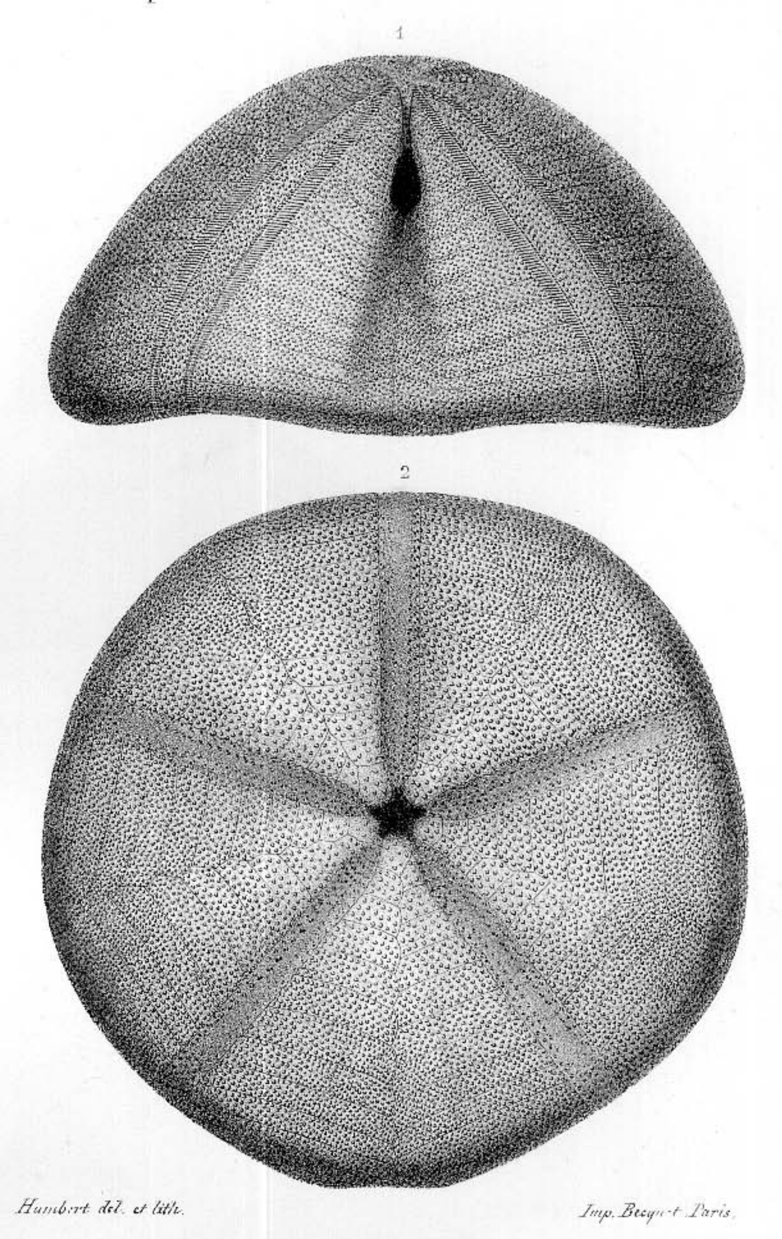
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Clypeus Agassizi, Wright.



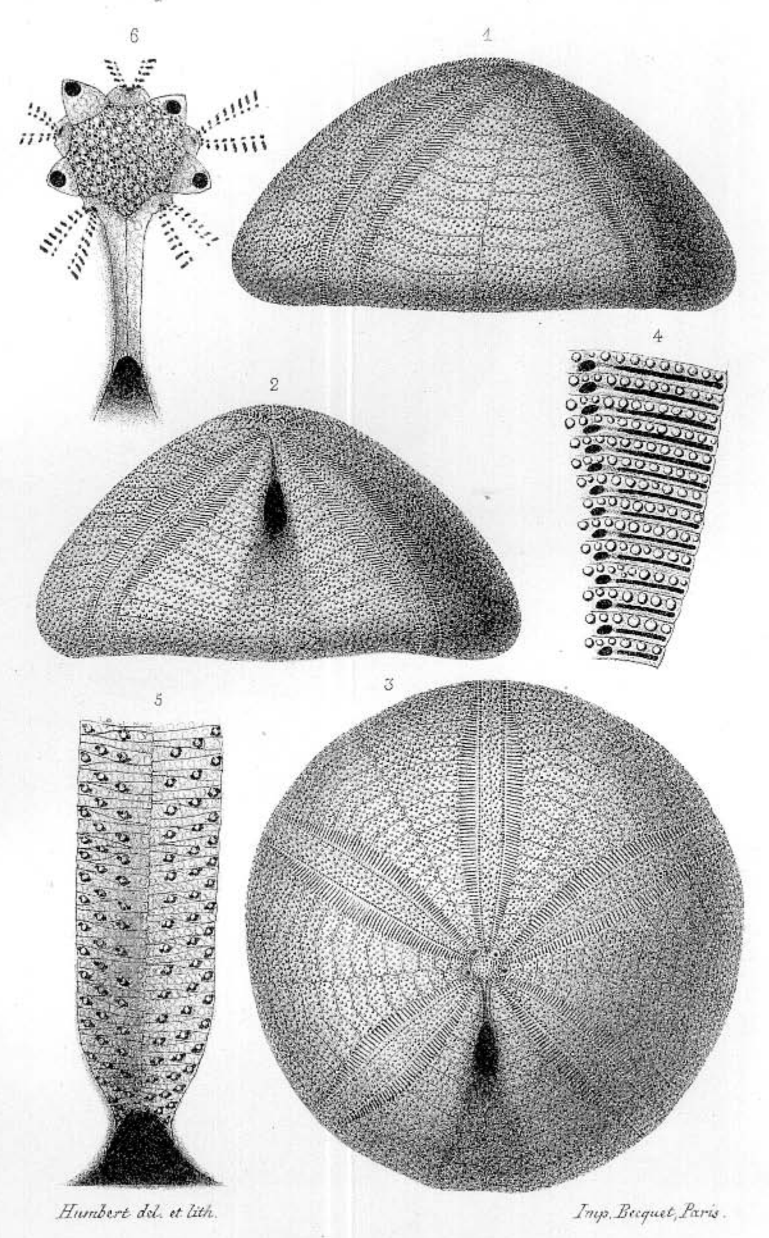
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Clypeus Trigeri, Cotteau. *Bajocien*.



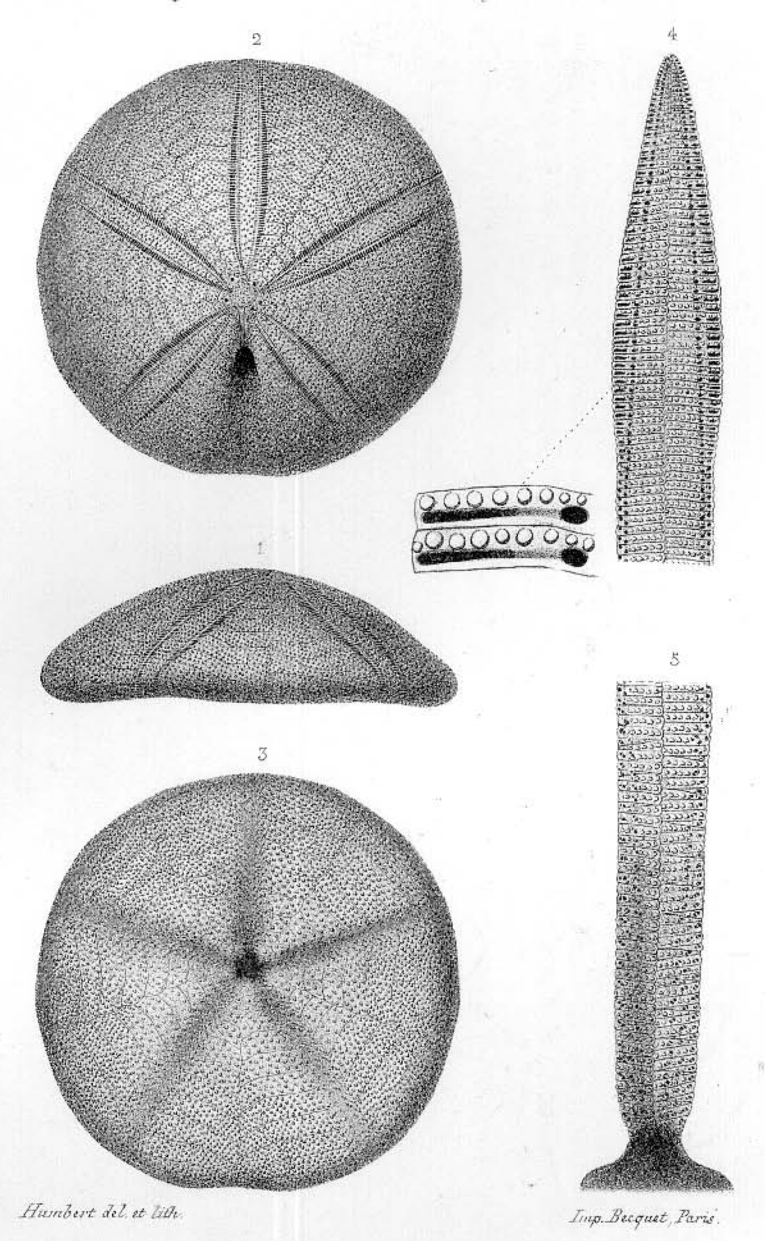
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Clypeus Trigeri, Cotteau. Bajocien.



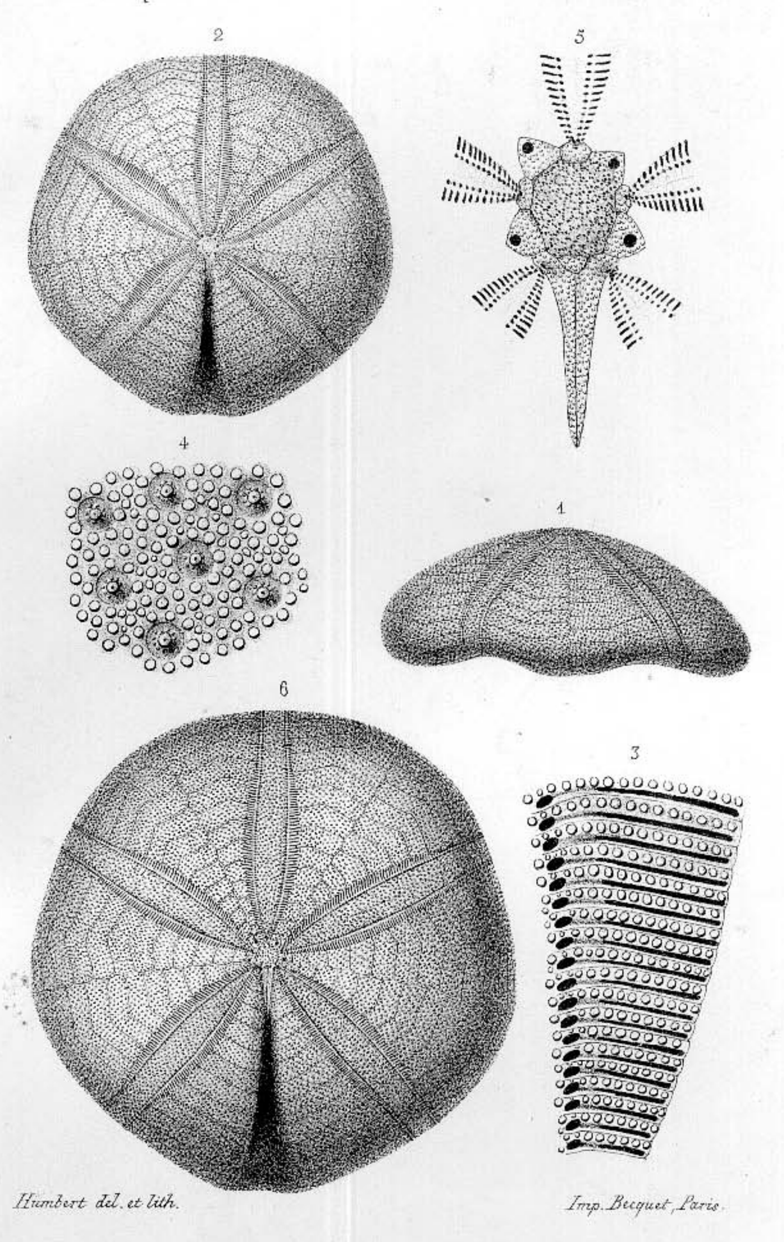
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Clypeus Trigeri, Cotteau. Bathonien.



Humbert del. et lith. Imp. Becquet, Paris.

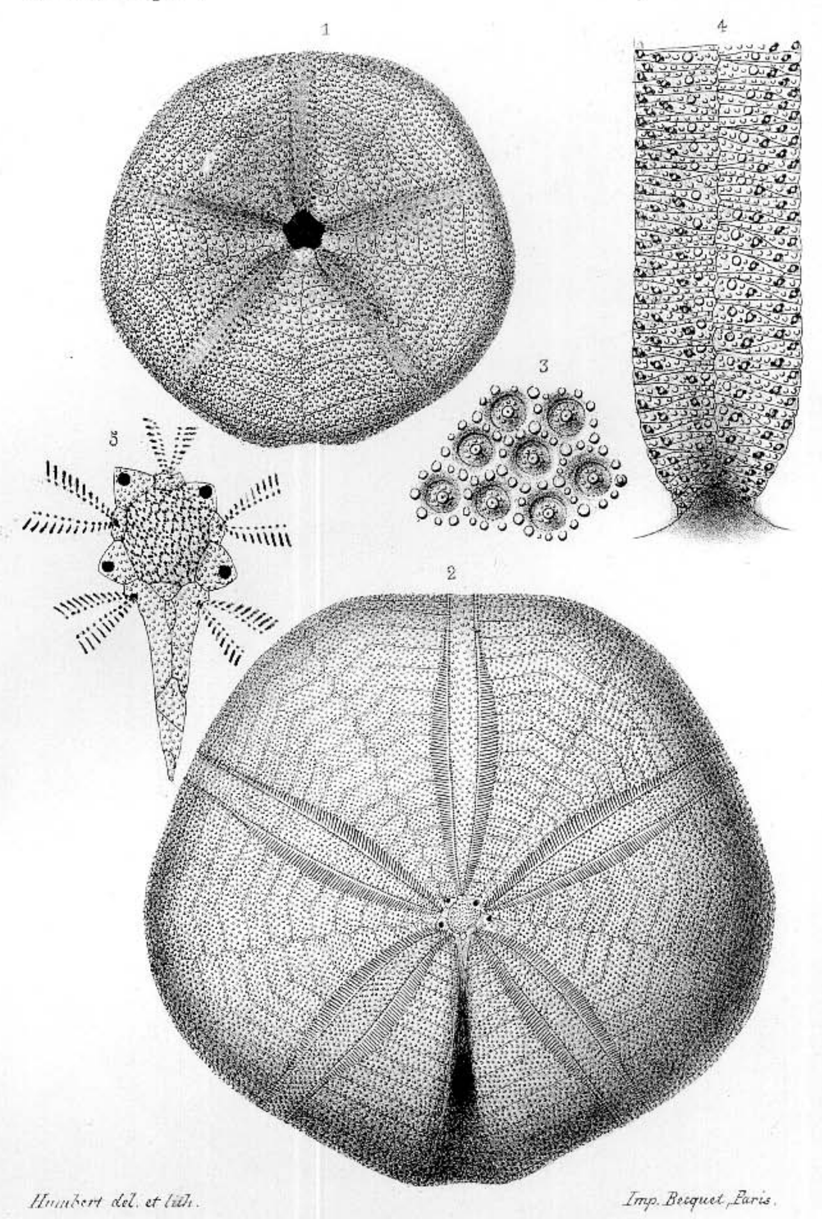
Clypeus angustiporus, Agassiz. Bajocien ?



Humbert del. et lith.

Imp. Becquet, Paris.

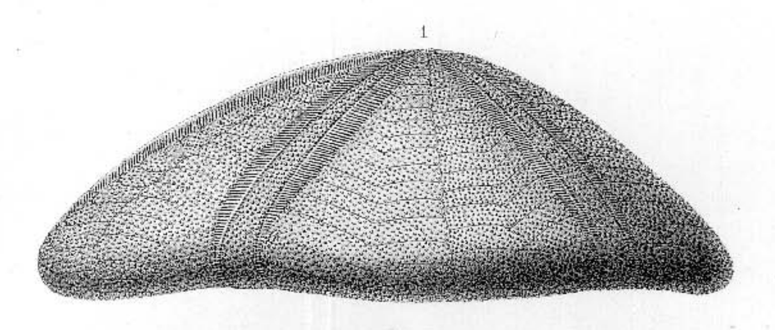
Clypeus Osterwaldi, Desor. Bajocien.



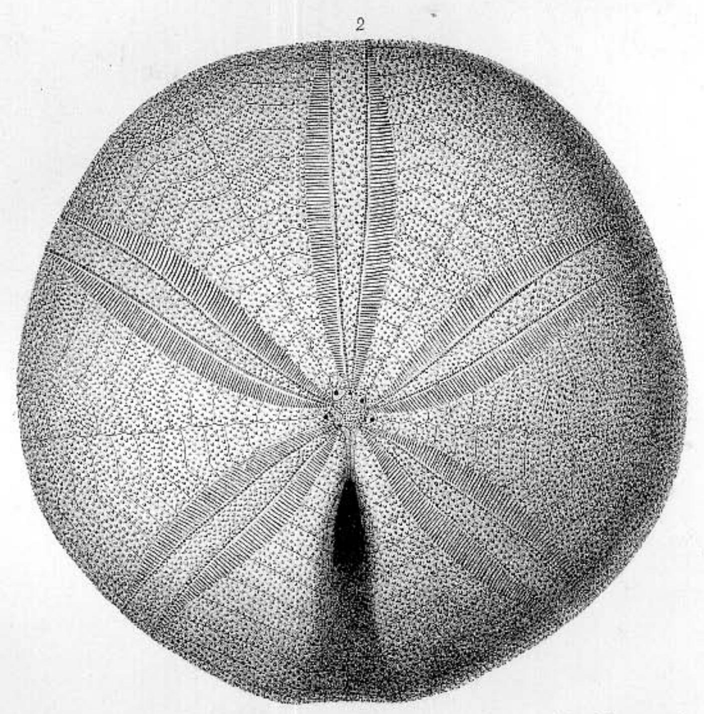
Humbert del. et lith. Imp. Becquet, Paris.

Clypeus Osterwaldi, Desor. Bathonien.

1

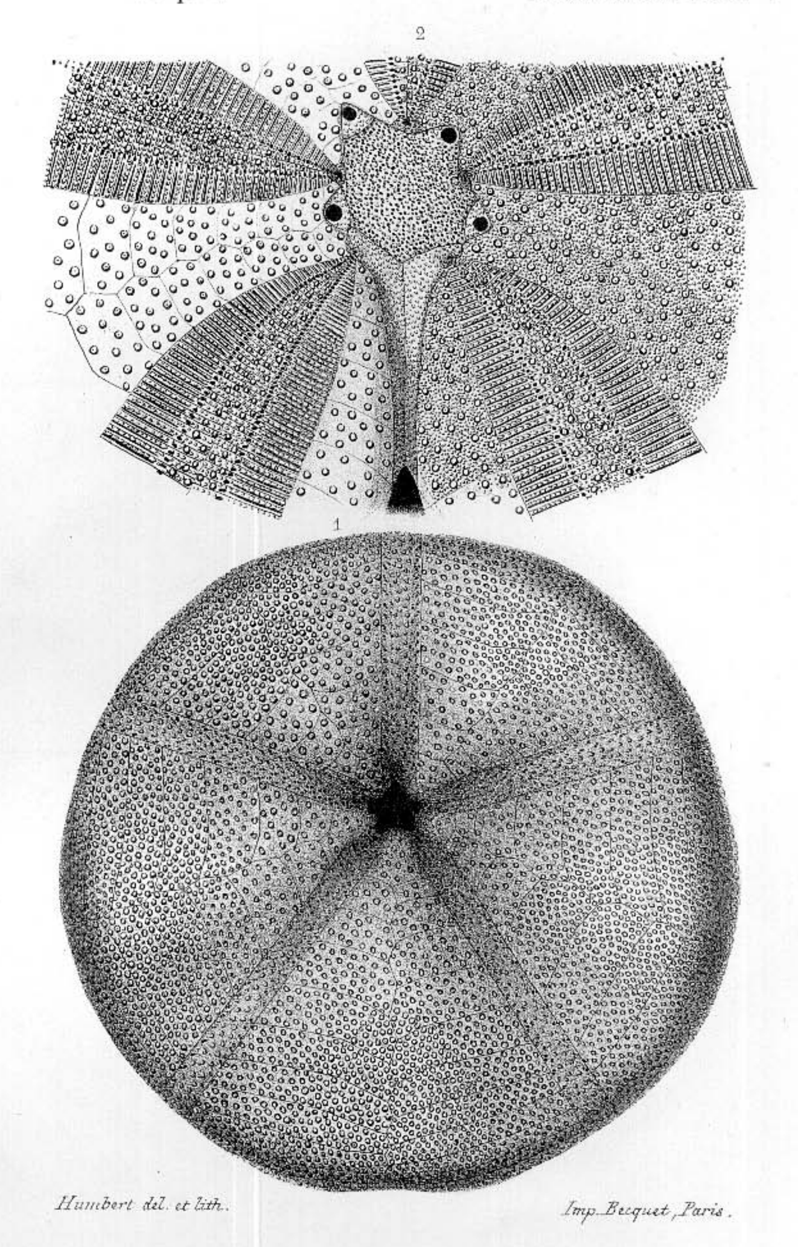


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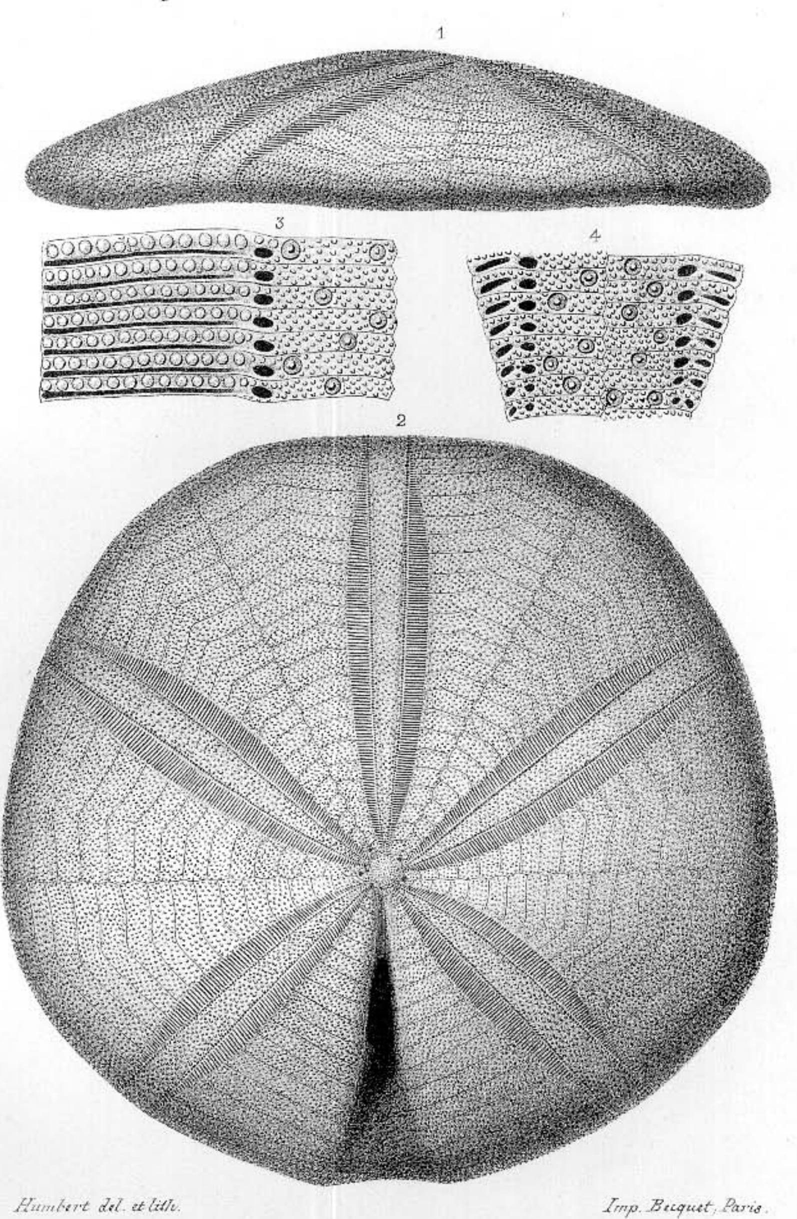
Humbert del. et lith. Imp. Becquet, Paris.

Clypeus Ploti, Klein. Bajocien et Bathonien.



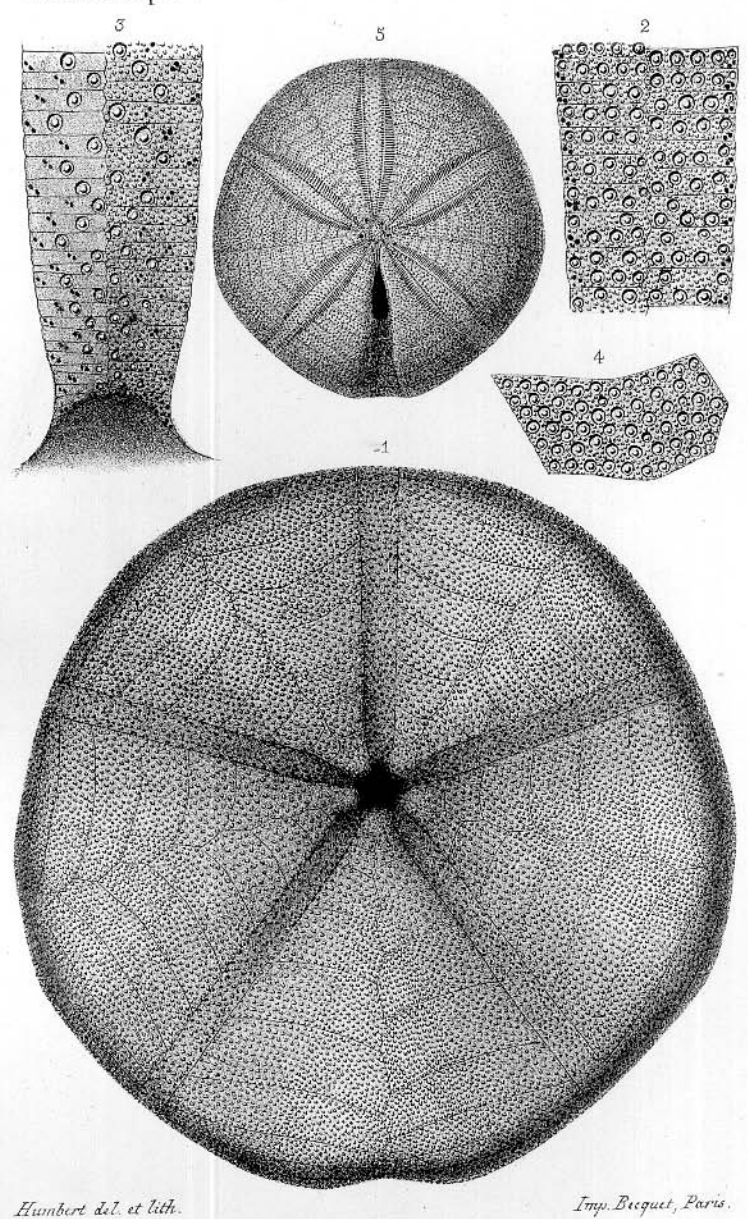
Humbert del. et lith. Imp. Becquet, Paris.

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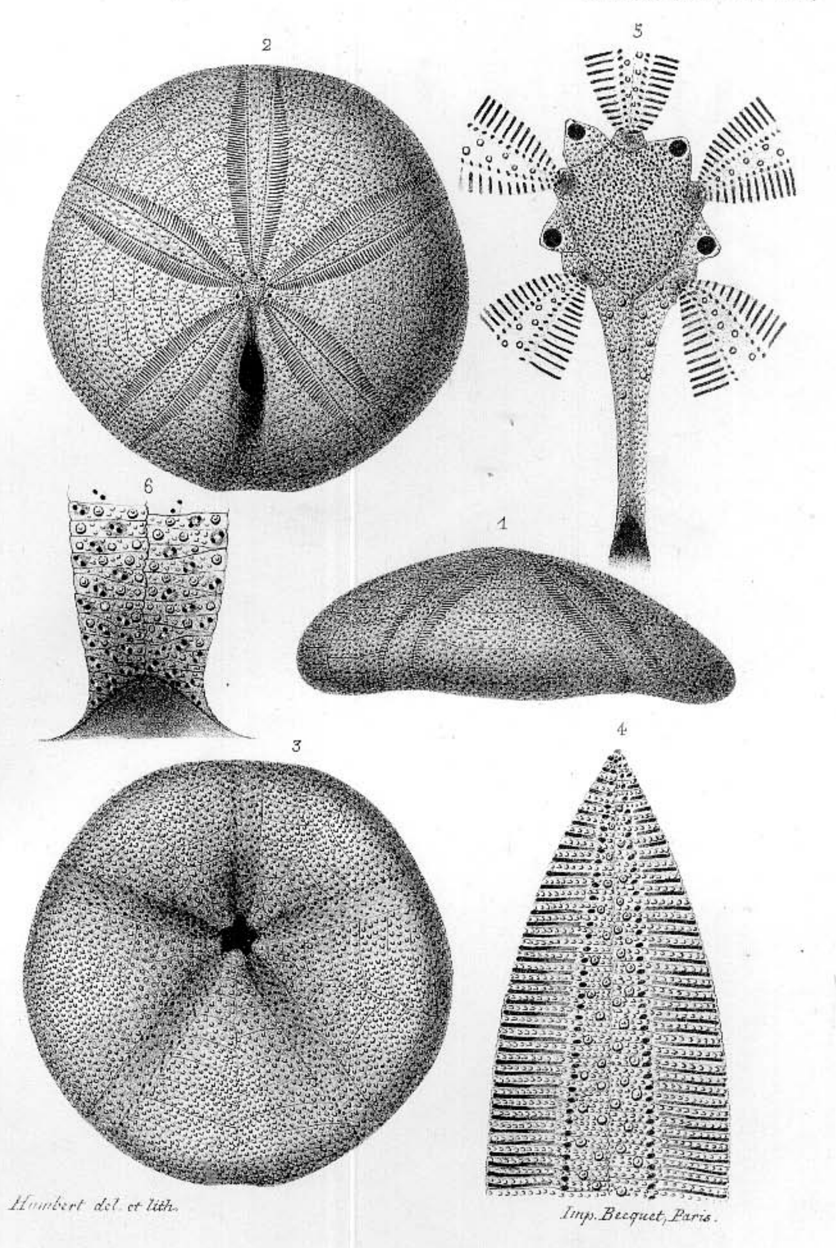
Humbert del. et lith. Imp. Becquet, Paris.

Clypeus Boblayei, Michelin. Bathonien.



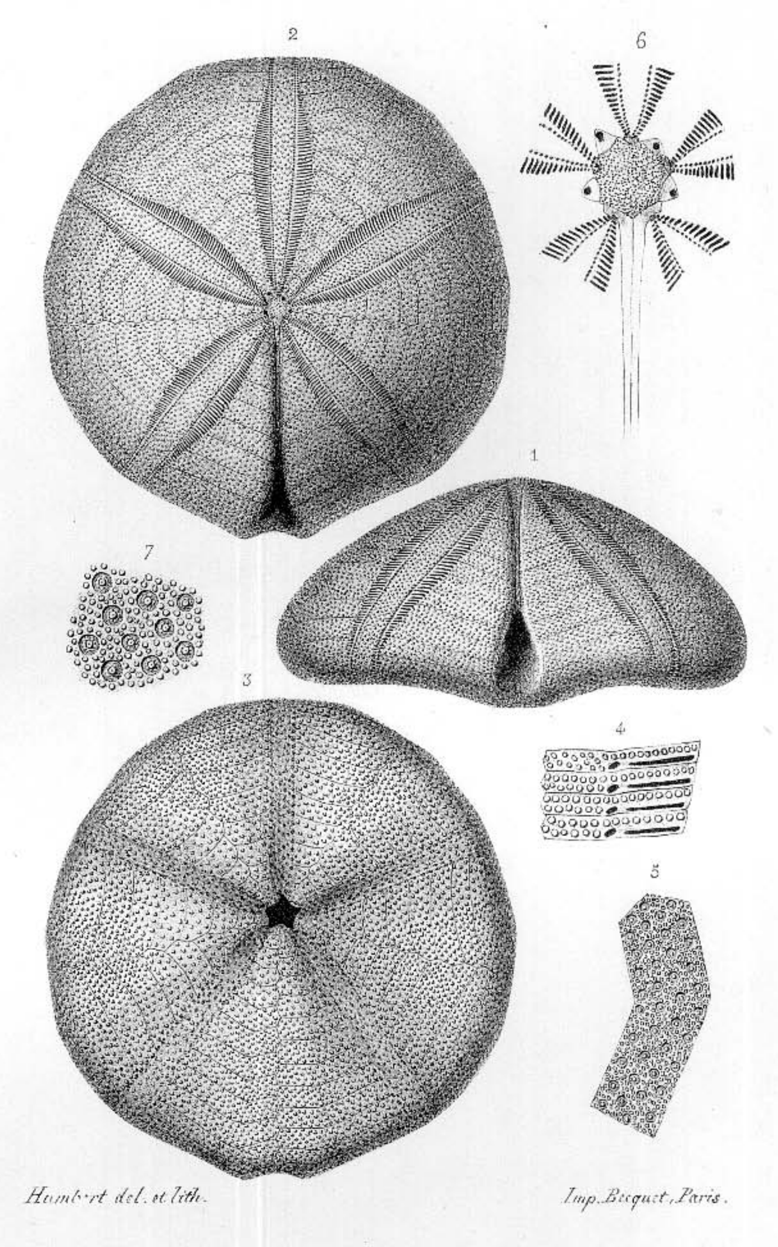
Humbert del. et lith. Imp. Becquet, Paris.

1 – 4. *Clypeus Boblayei*, Michelin. Bathonien.
5. C. —— *Mulleri*, Wright. ————



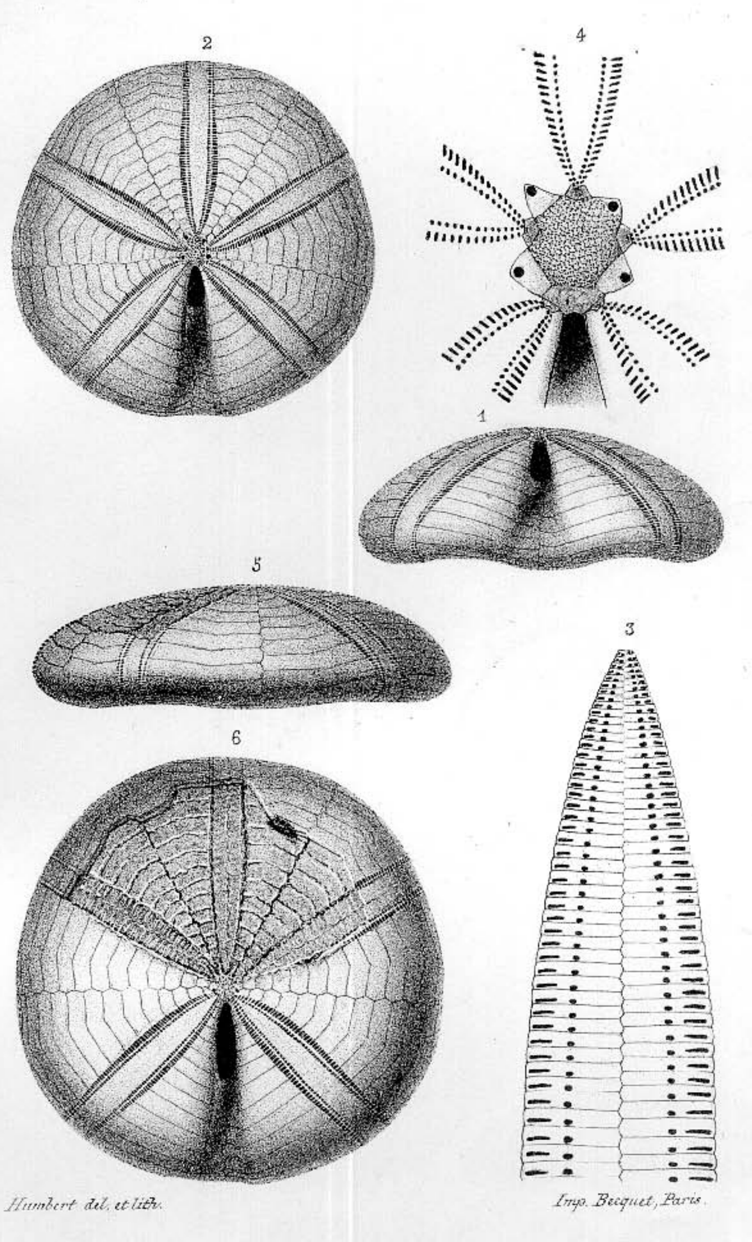
Humbert del. et lith. Imp. Becquet, Paris.

Clypeus Mulleri, Wright. Bathonien.



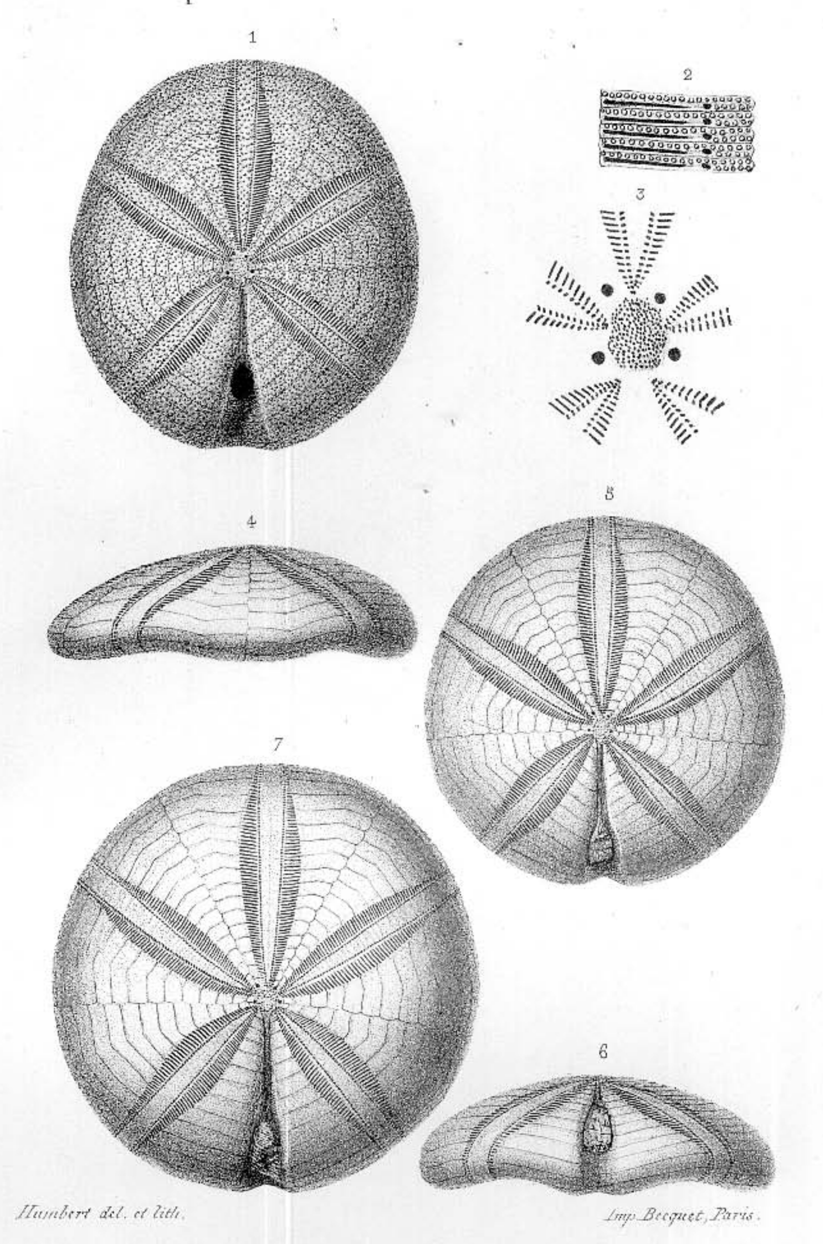
Humbert del. et lith. Imp. Becquet, Paris.

Clypeus Davoustianus, Cotteau. Bathonien.



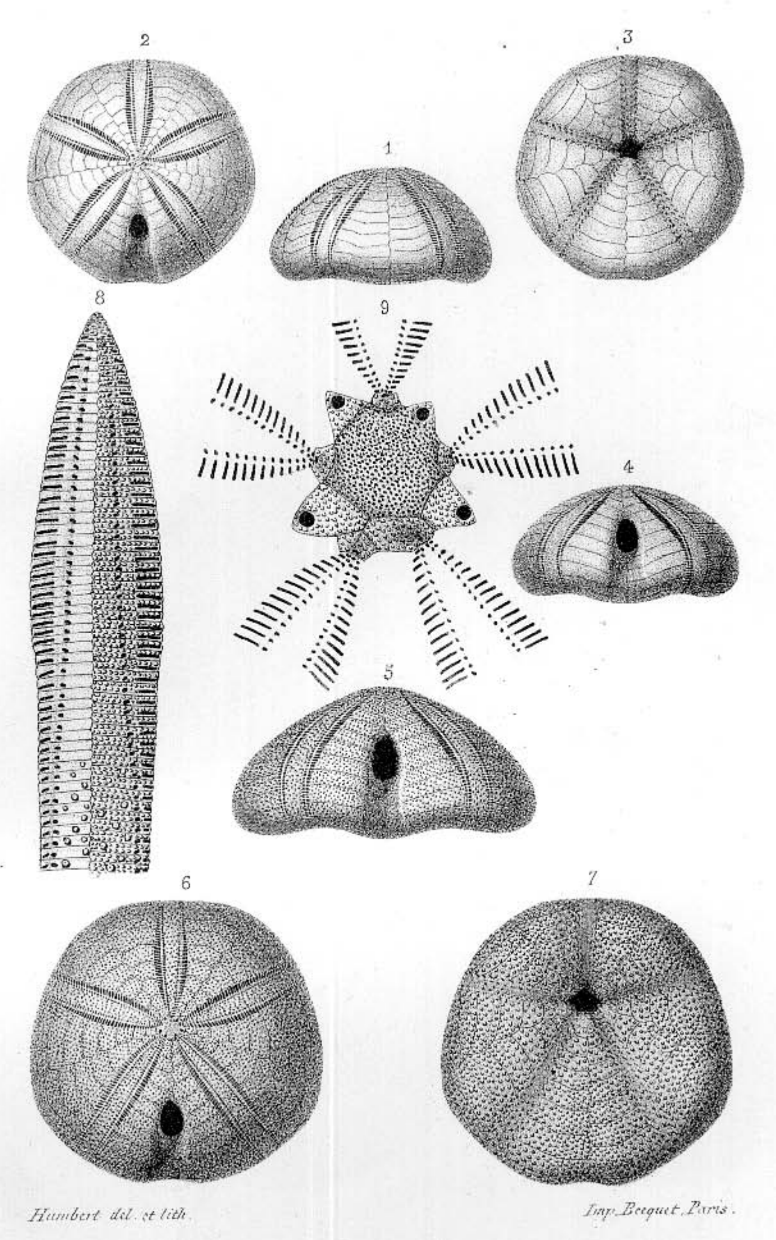
Humbert del. et lith. Imp. Becquet, Paris.

Clypeus Michelini, Desor. Bathonien.



Humbert del. et lith. Imp. Becquet, Paris.

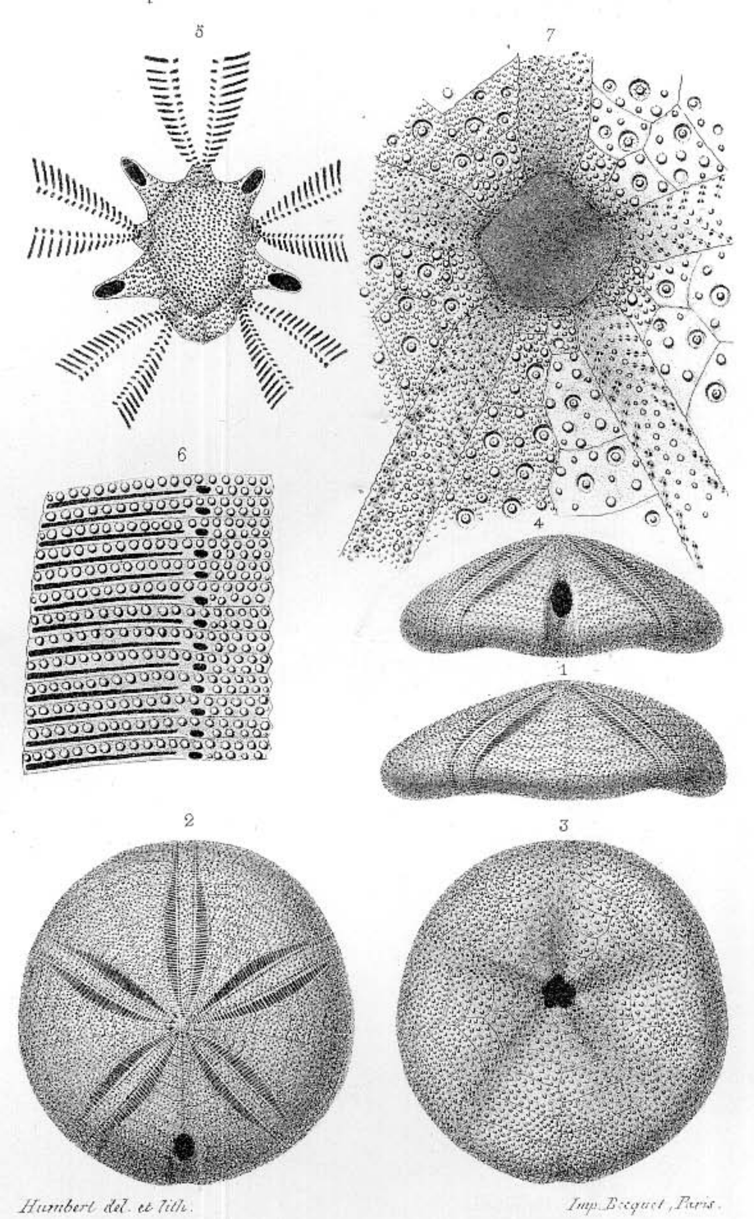
Clypeus Rathieri, Cotteau. Bathonien.



Humbert del. et lith.

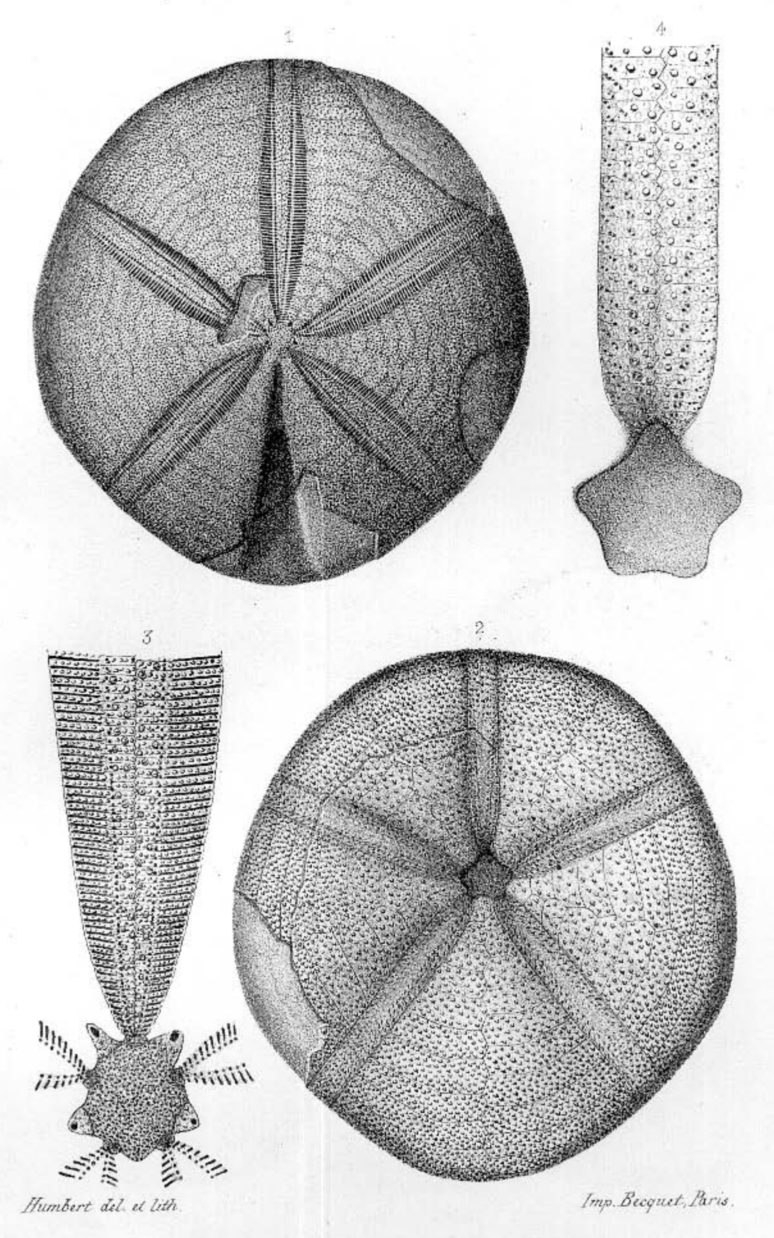
Imp. Becquet, Paris.

Clypeus Hugii, Agassiz. Bajocien et Bathonien.



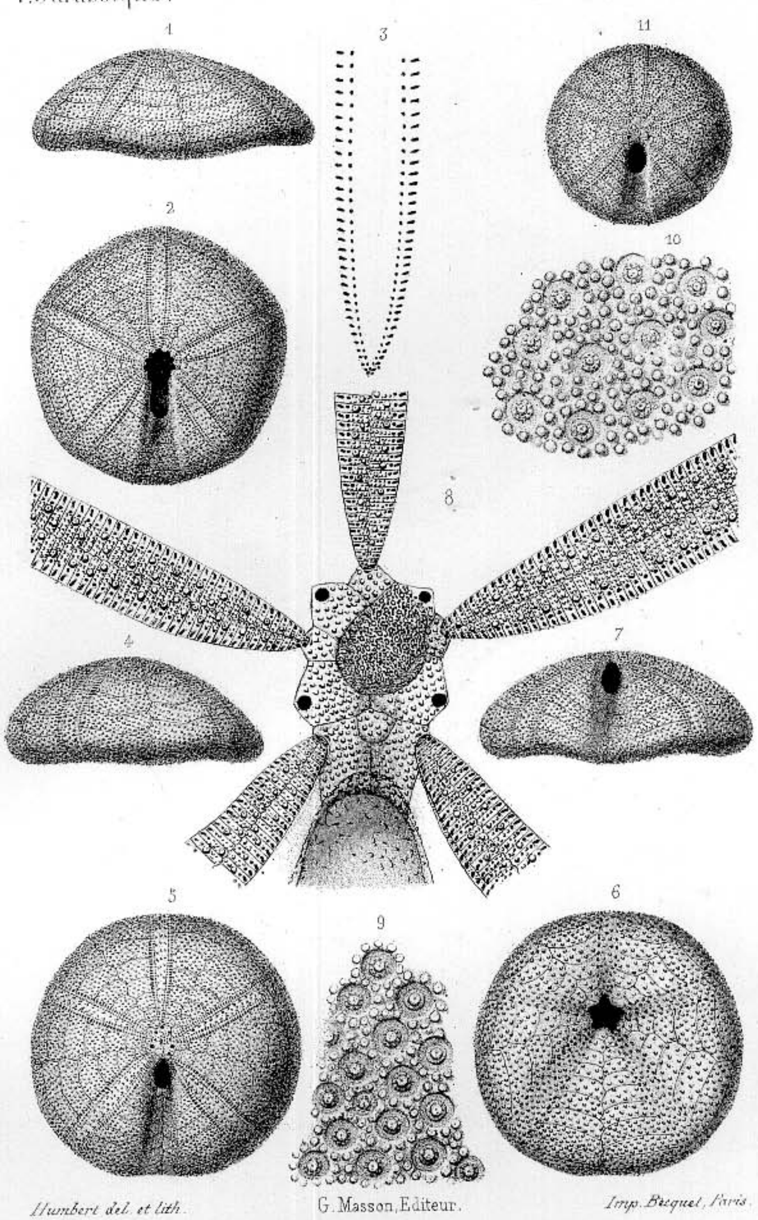
Humbert del. et lith. Imp. Becquet, Paris.

Clypeus subulatus, Wright. Corallien.



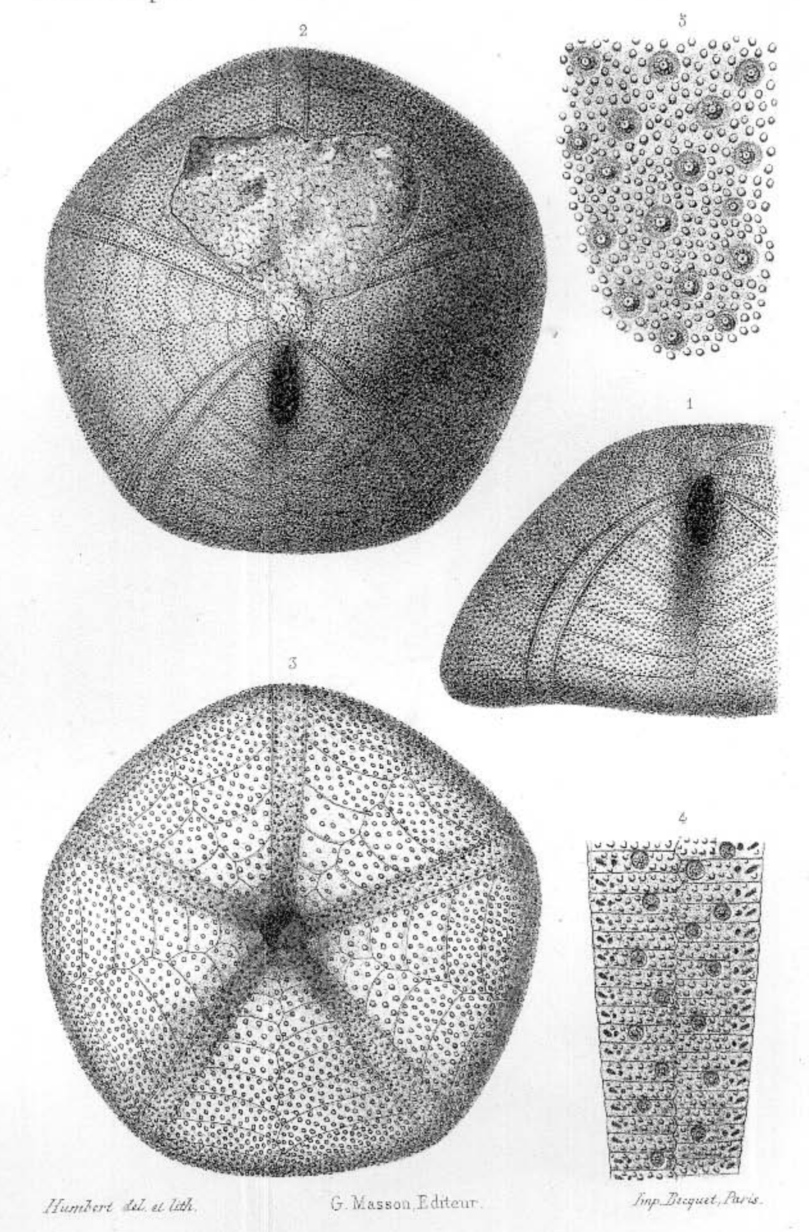
Humbert del. et lith. Imp. Becquet, Paris.

Clypeus Babeaui, Cotteau. Callovien.



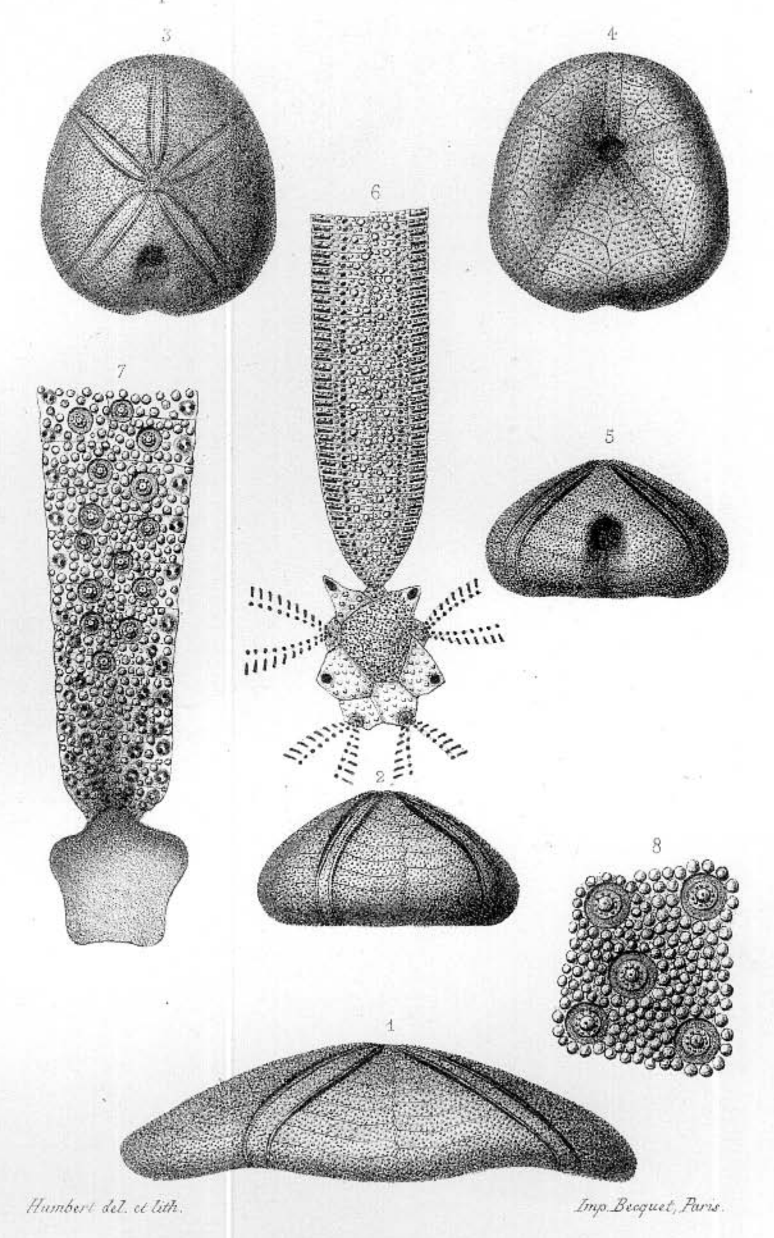
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

1_3. *Clypeus Deshaiesi*, Cotteau. Bajocien.
4_11. *C._____ Martini*, Cotteau. Bathonien.



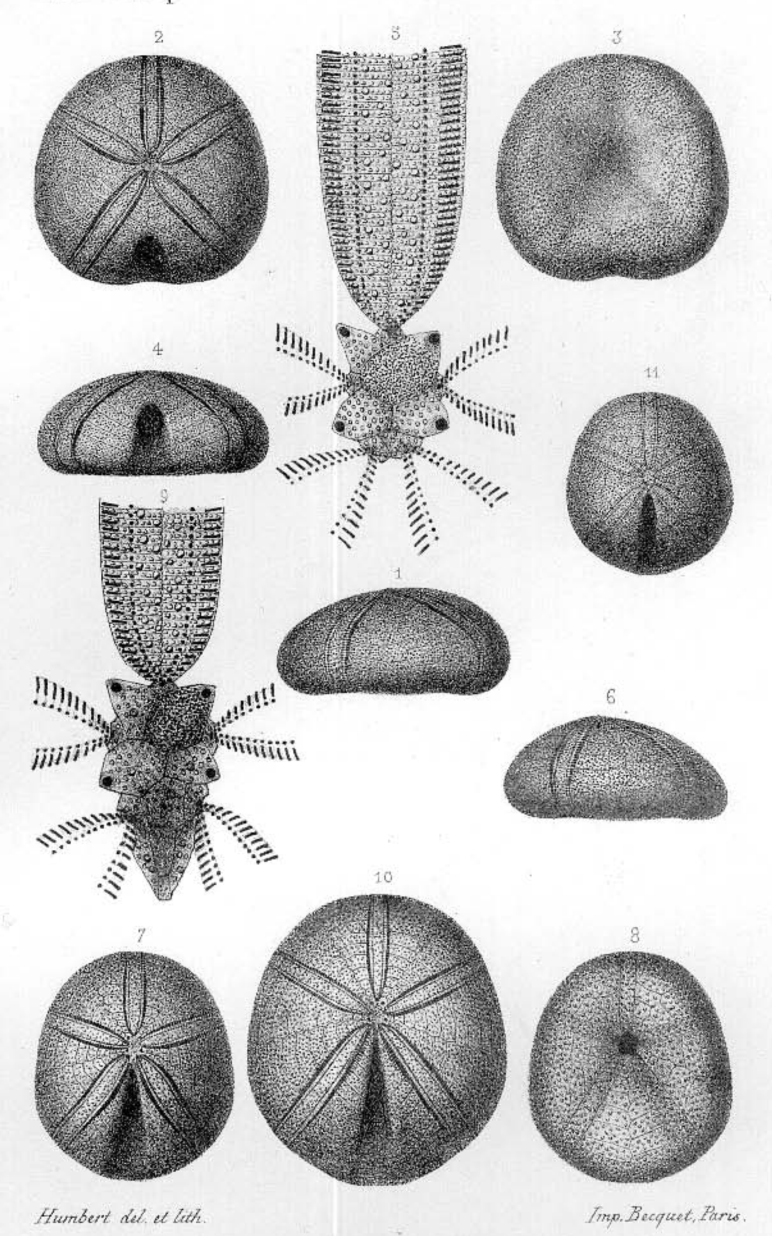
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Clypeus Constantini, Cotteau. Bajocien.



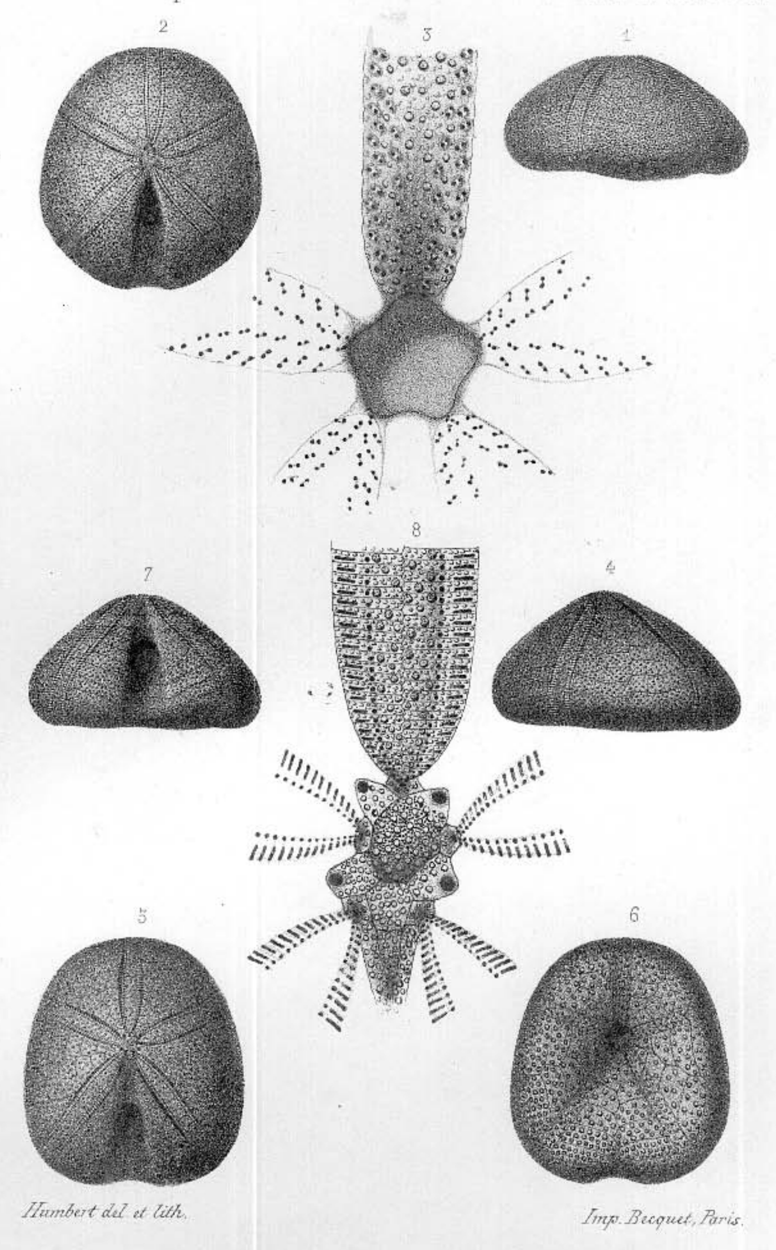
Humbert del. et lith. Imp. Becquet, Paris.

1. *Clypeus Babeaui*, Cotteau. Callovien.
2 _ 8. *Echinobrissus Lorioli*, Cotteau. Bajocien.



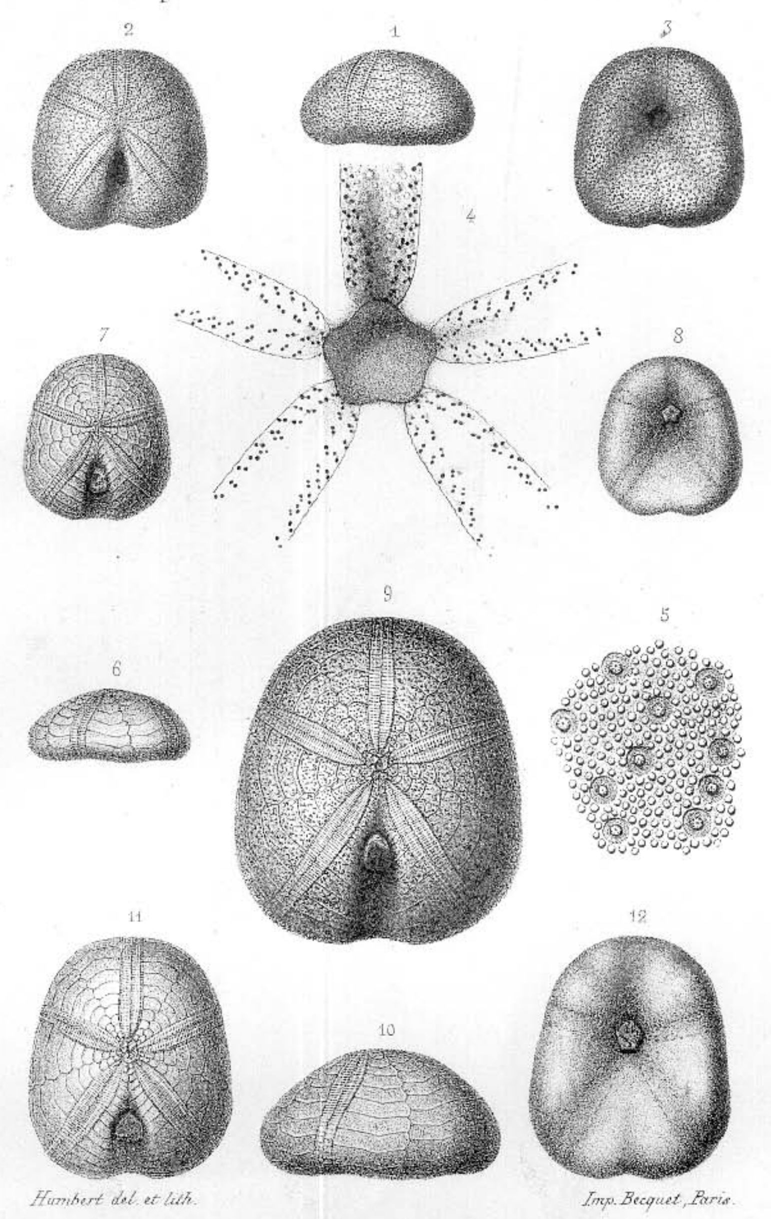
Humbert del. et lith. Imp. Becquet, Paris.

1 _ 5. *Echinobrissus quadratus*, Cotteau. Bathonien.
6 _ 11. *E.* ———— *Terquemi*, d'Orbigny. Bajocien et Bathonien.



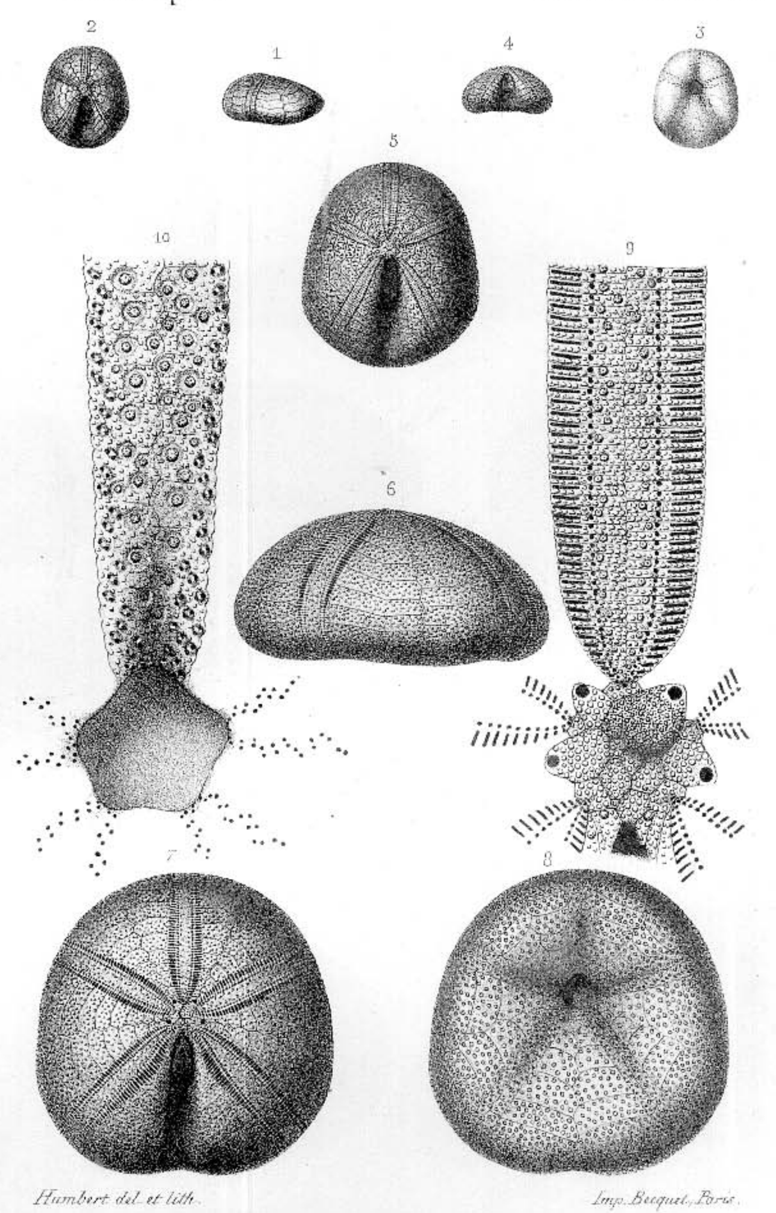
Humbert del et lith. *Imp. Becquet, Paris.*

1_3. *Echinobrissus Terquemi*, *d'Orbigny. Bajouin et Bathonien.*
4_8. *E.* ——————— *clunicularis*, *d'Orbigny. Bathonien.*



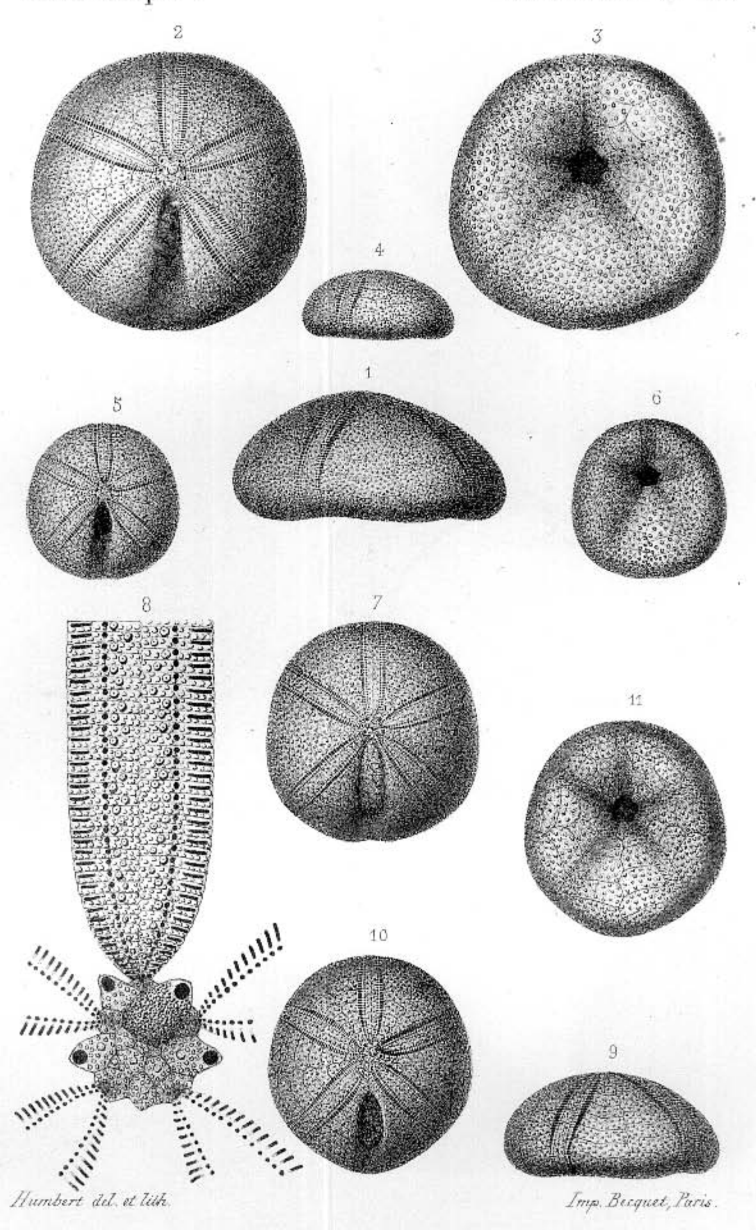
Humbert del. et lith. Imp. Becquet, Paris.

Echinobrissus clunicularis, d'Orbigny. Bathonien.



Humbert del. et lith. Imp. Becquet, Paris.

1–5. *Echinobrissus crepidula*, d'Orbigny. Bathonien.
6–11. *E. ———— amplus*, Desor. Bathonien.

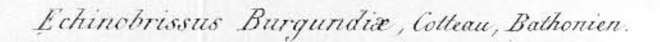


Humbert del. et lith. Imp. Becquet, Paris.

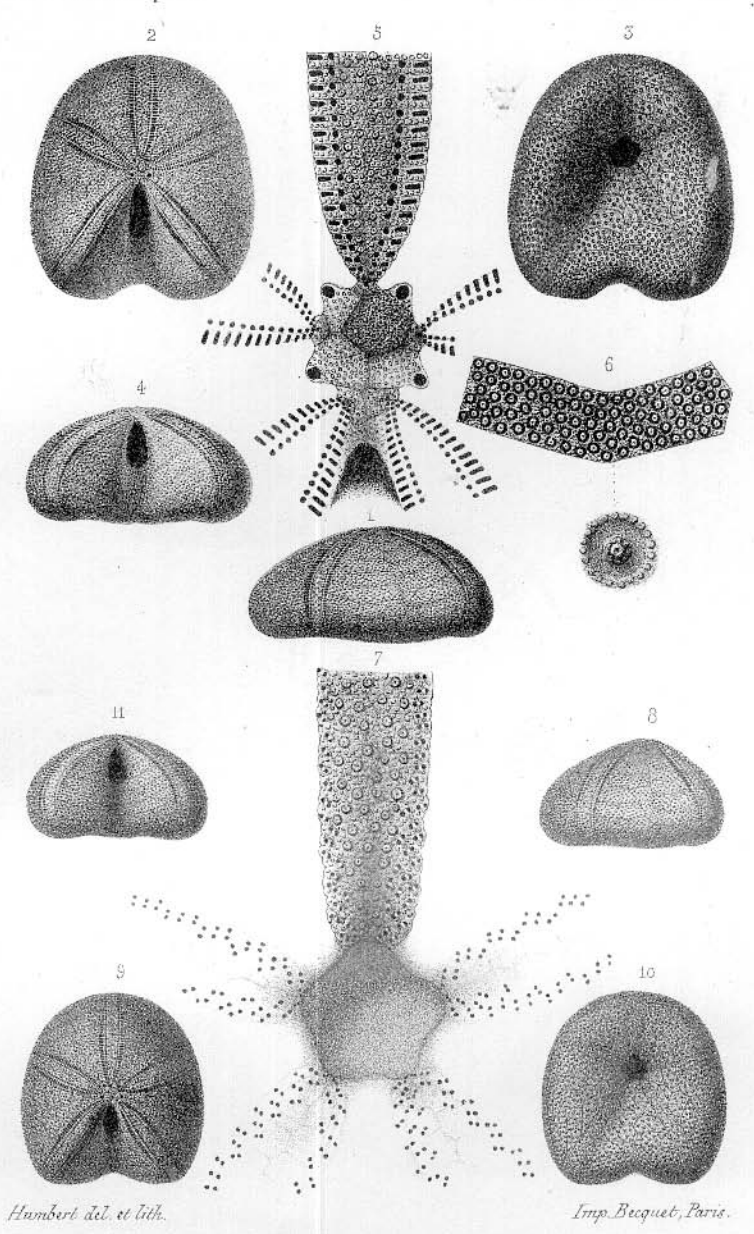
1 _ 8. *Echinobrissus amplus*, Desor. Bathonien.

9 _ 11. *E.* __________ *Burgundiæ*, Cotteau. Bathonien.

Humbert del. et lith. *Imp. Becquet, Paris.*



Echinobrissus Burgundiæ, Cotteau, Bathonien.



Humbert del. et lith. *Imp. Becquet, Paris.*

Echinobrissus triangularis, Cotteau. Bathonien.

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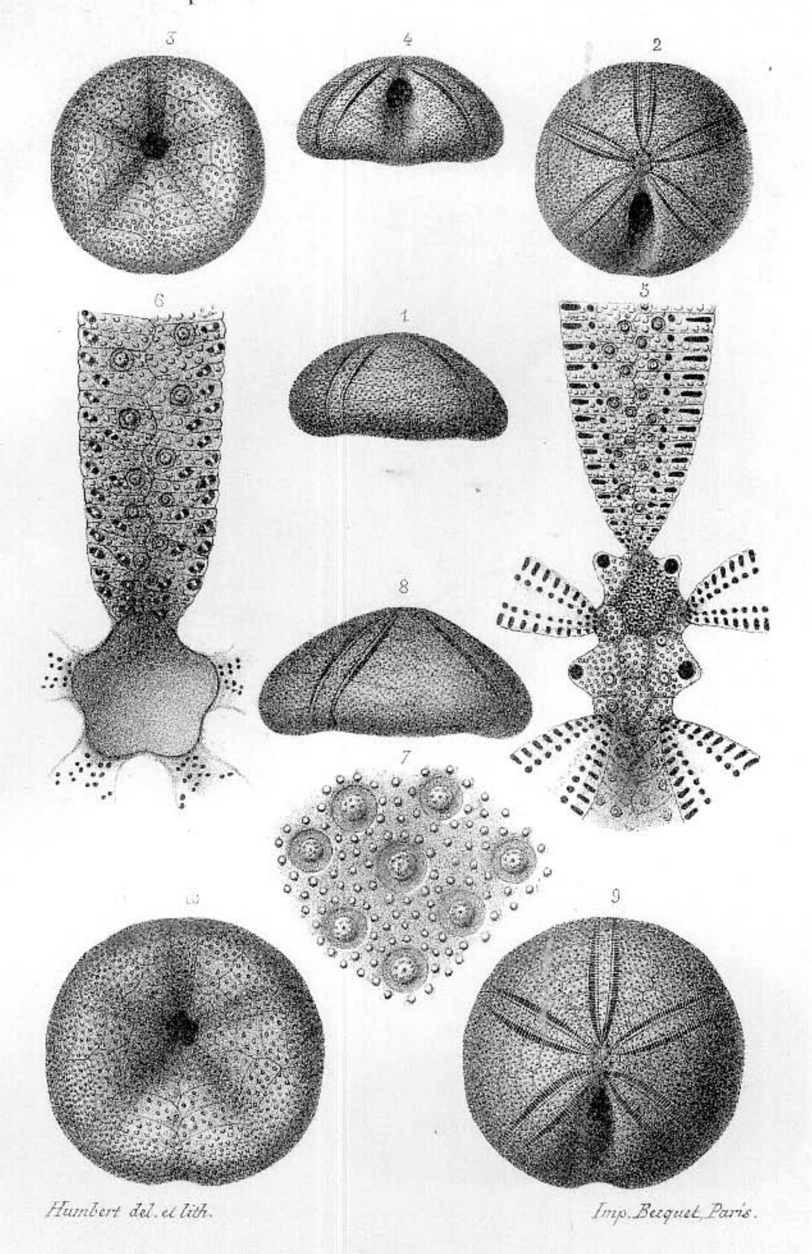
6 9

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7 8

Humbert del. et lith. Imp. Becquet, Paris.

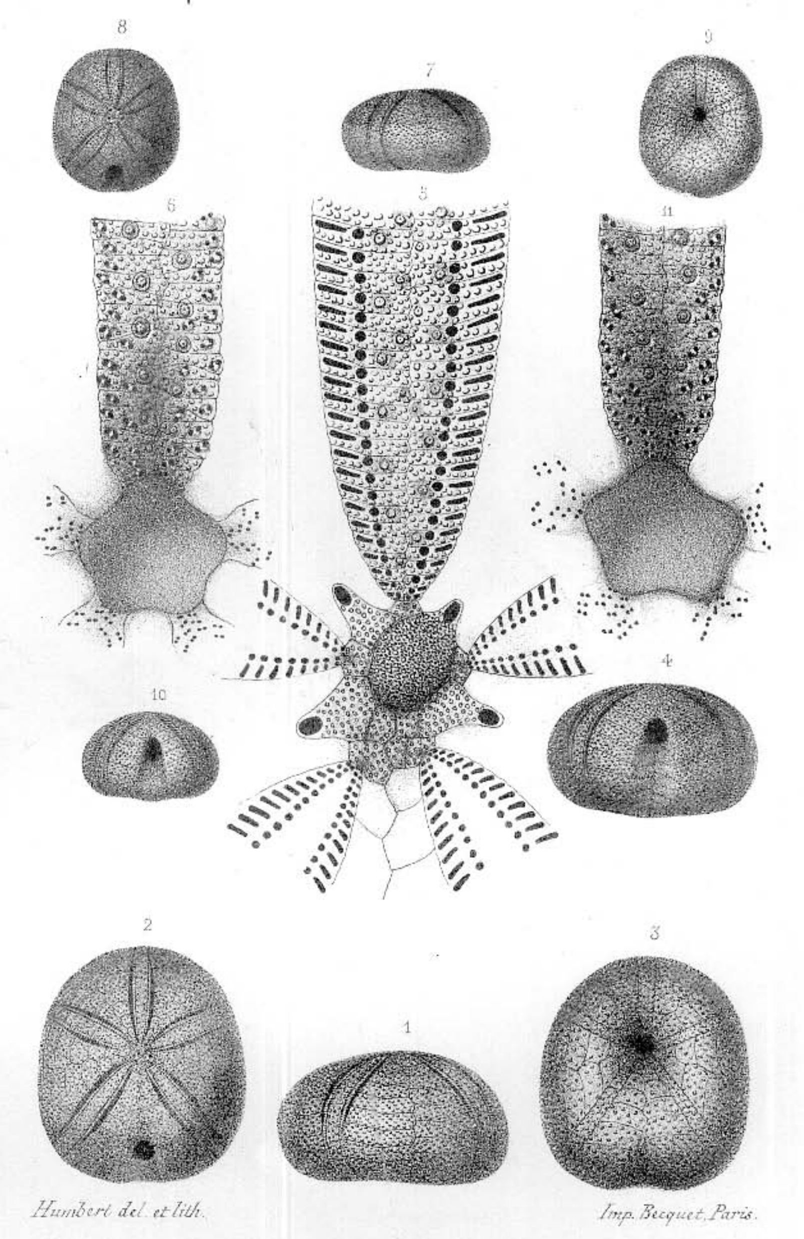
Echinobrissus elongatus, d'Orbigny. Bathonien.



Humbert del. et lith.

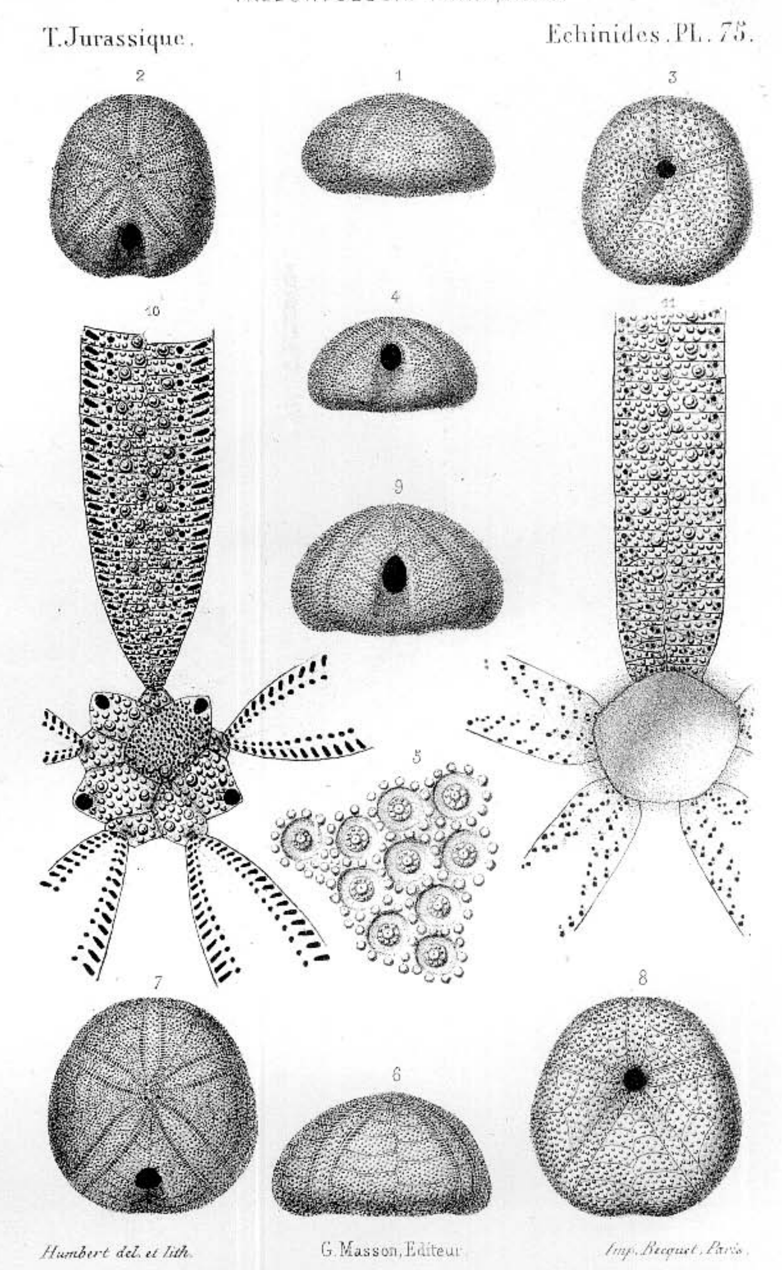
Imp. Becquet, Paris.

Echinobrissus orbicularis, d'Orbigny. Bathonien.



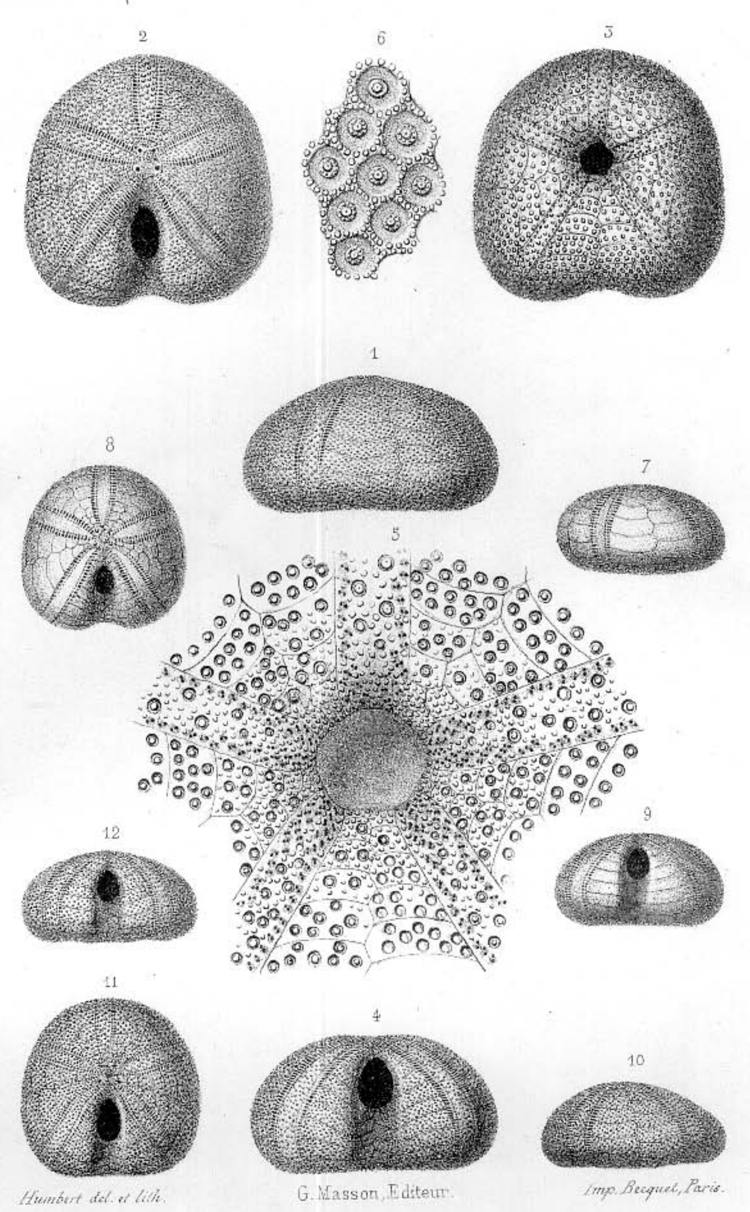
Humbert del. et lith. Imp. Becquet, Paris.

Echinobrissus pulvinatus, Cotteau. Callovien.



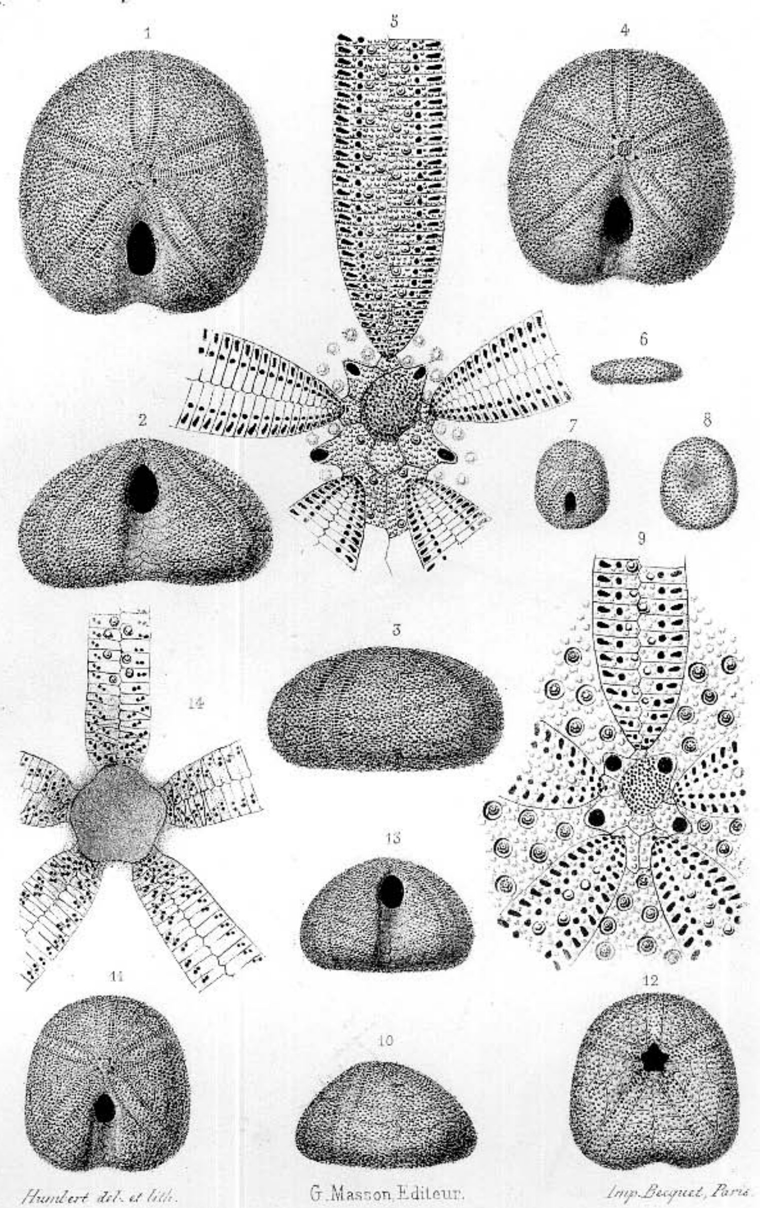
Humbert del. et lith. G. Masson, Editeur Imp. Becquet, Paris.

Echinobrissus micraulus, d'Orbigny. Callovien et Oxfordien.



Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Echinobrissus scutatus, d'Orbigny. Corallien inf.

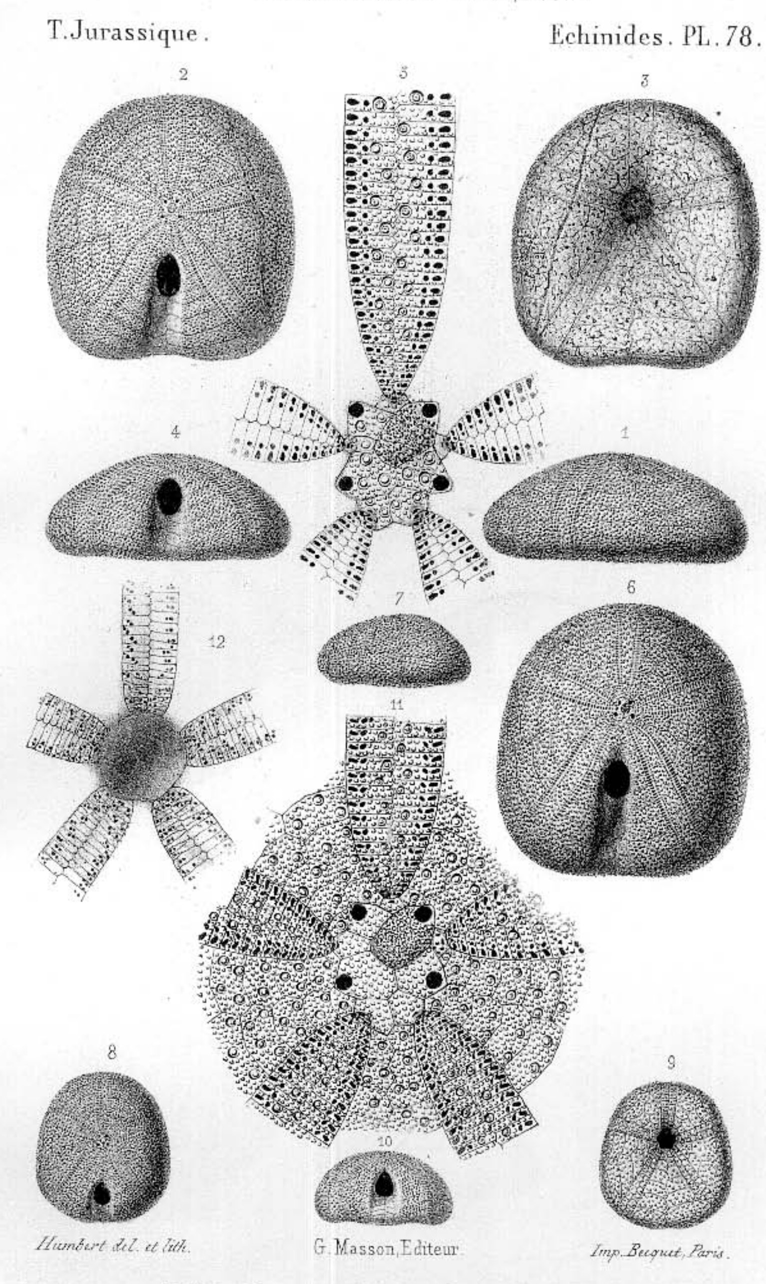


Humbert del. et lith. G. Masson Editeur. Imp. Becquet, Paris.

1 _ 5. *Echinobrissus scutatus*, d'Orbigny. Corallien inf.

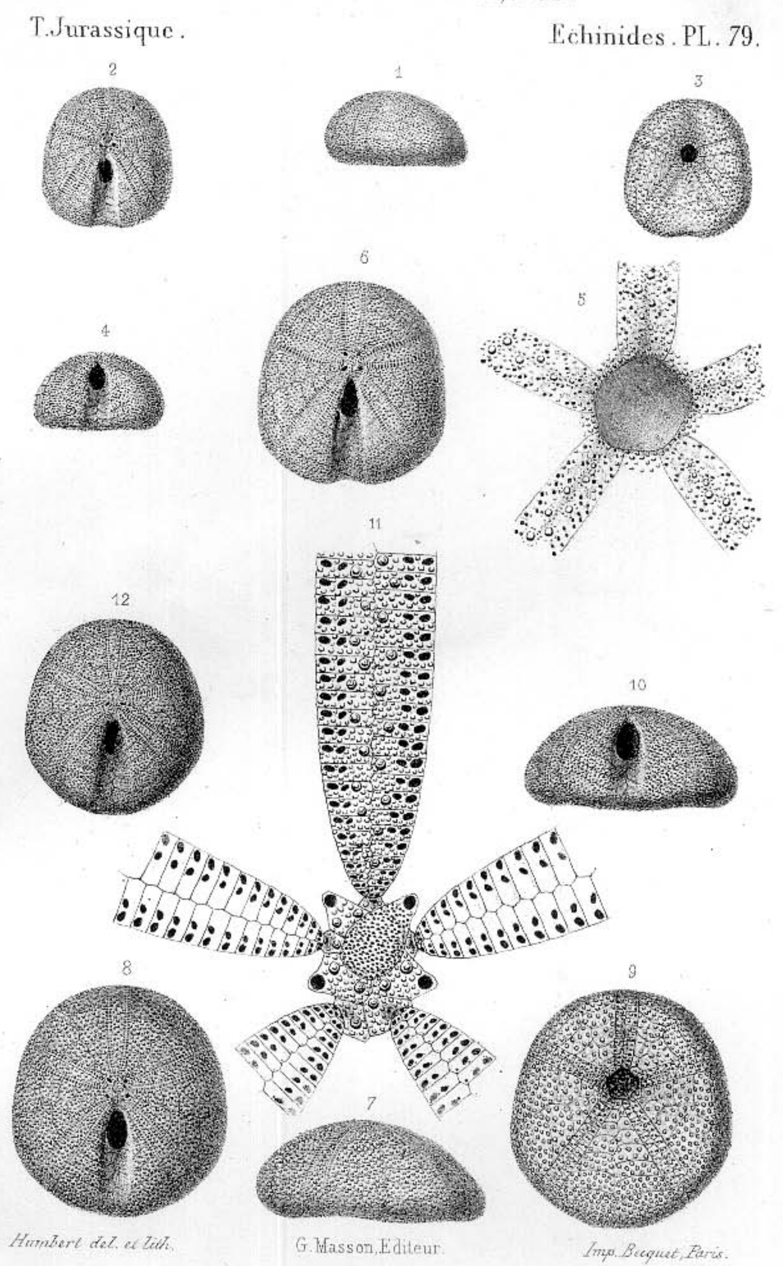
6 _ 9. *E.* ________ *Dumortieri*, Cotteau. Oxfordien.

10 _ 14. *E.* ________ *Letteroni*, Cotteau. Corallien sup.



Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

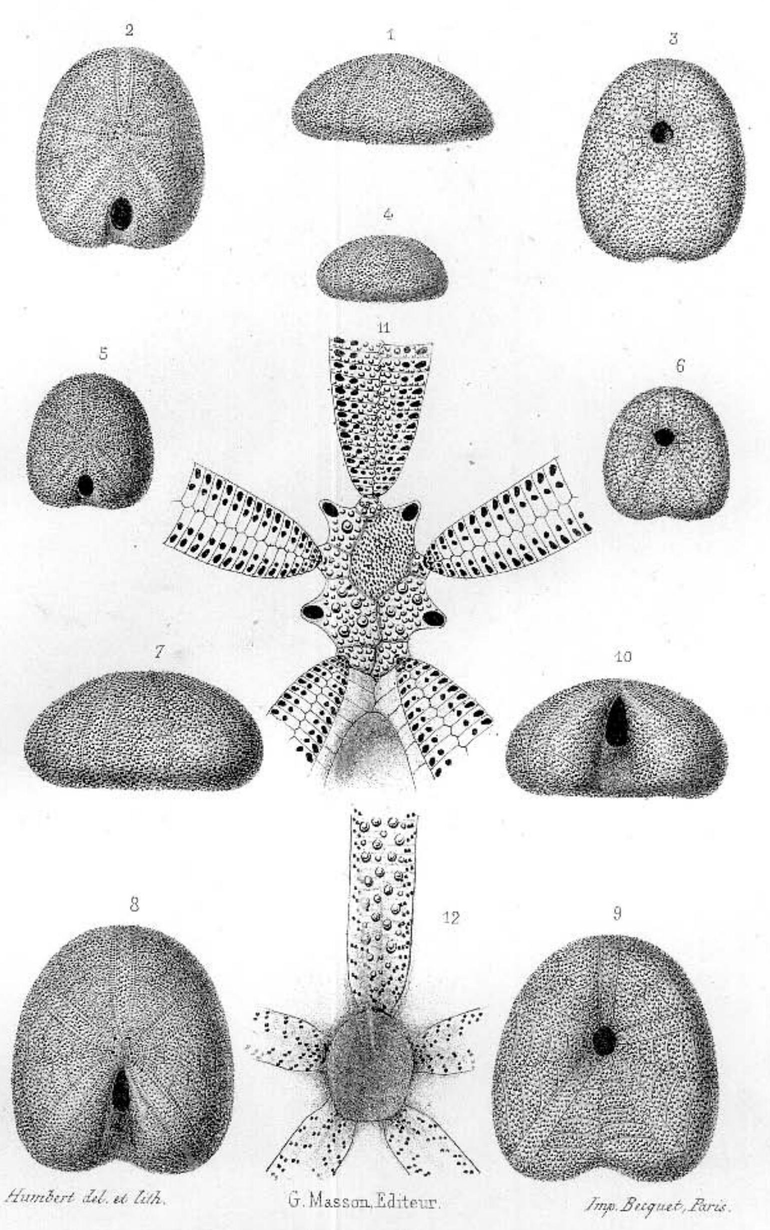
1 _ 6. *Echinobrissus Letteroni*, Cotteau. Corallien sup.
7 _ 12. *E. ———— avellana*, Desor. Oxfordien.



Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

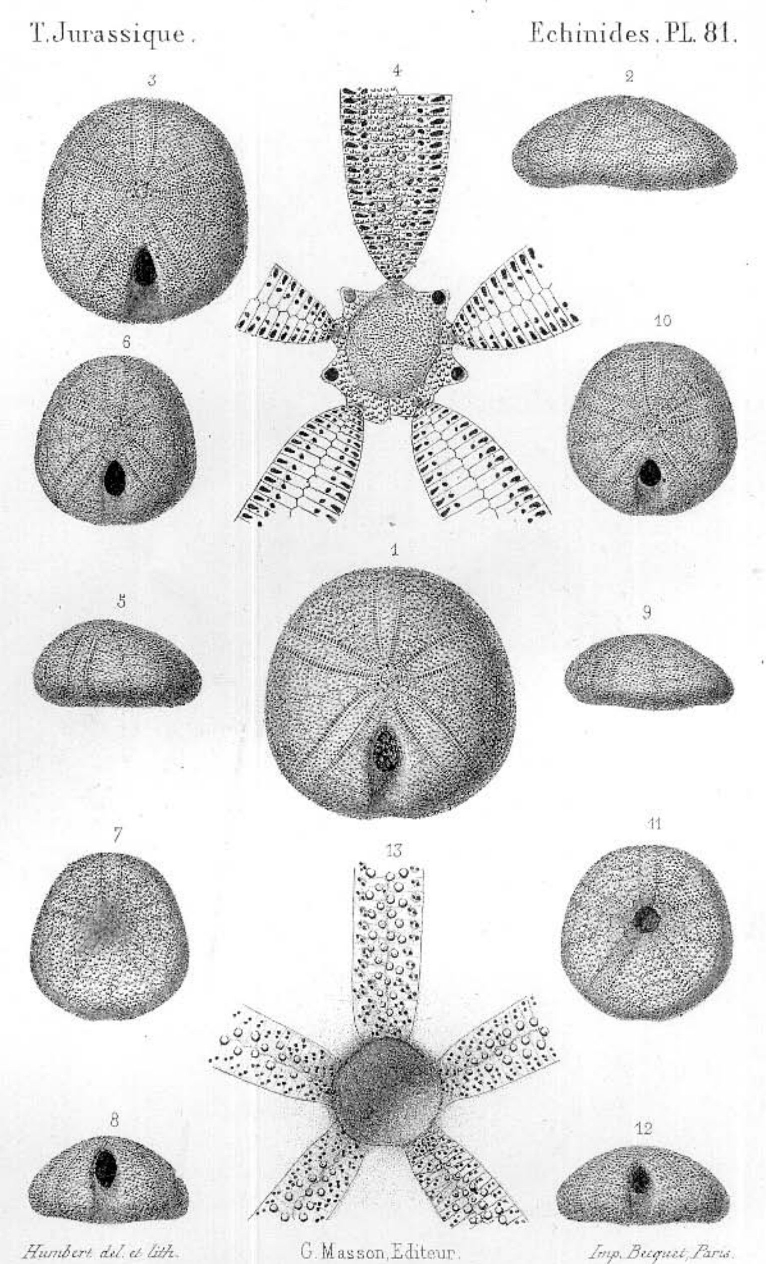
1 — 6. *Echinobrissus Bourgueti*, Desor. Portlandien.

7 — 12. *E.* ______ *Kimmeridgensis*, Cotteau. Kimmeridgien.



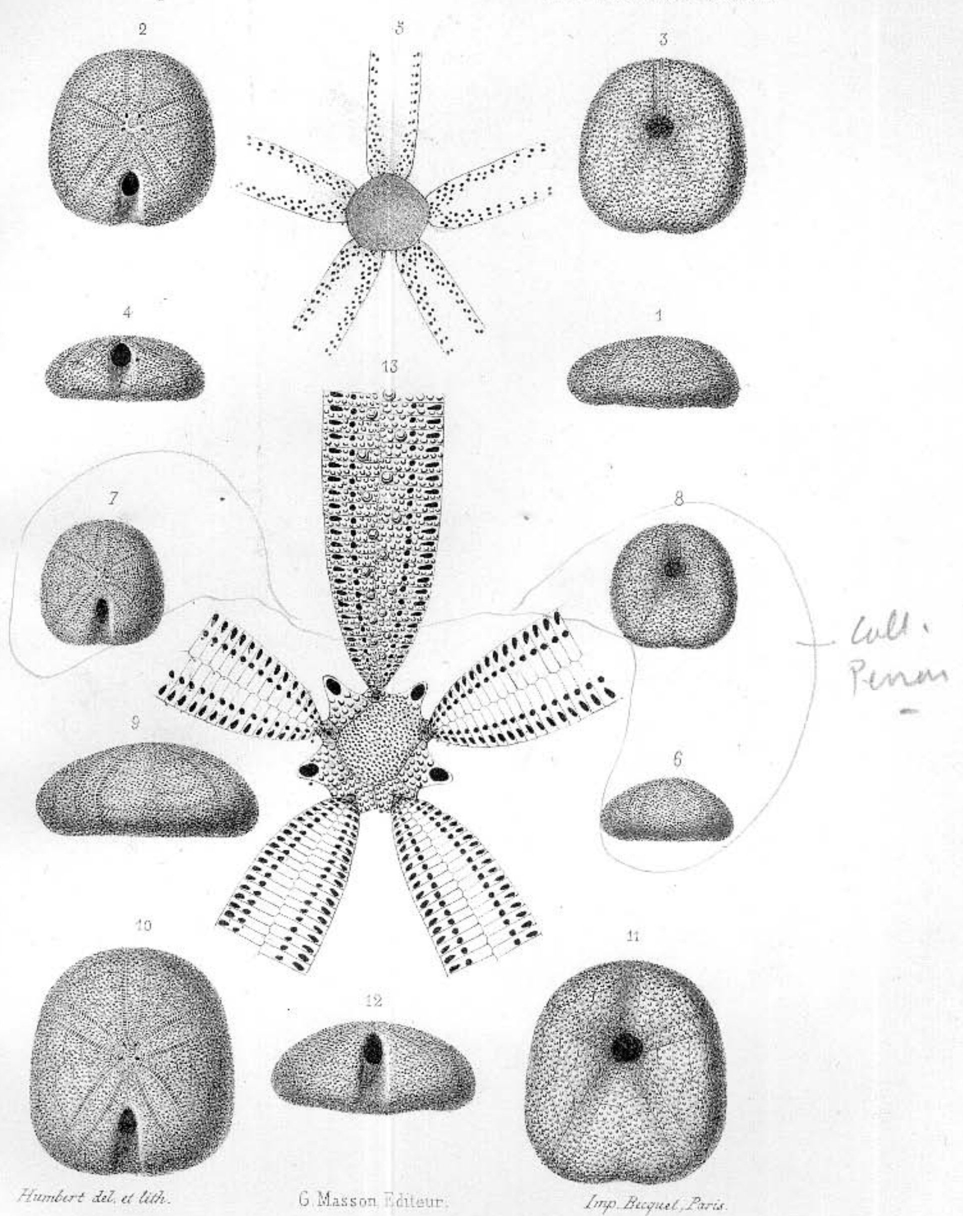
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

1 _ 6. *Echinobrissus Icaunensis*, Cotteau. Corallien sup.
7 _ 12. *E.* ________ *major*, d'Orbigny. ______ ___



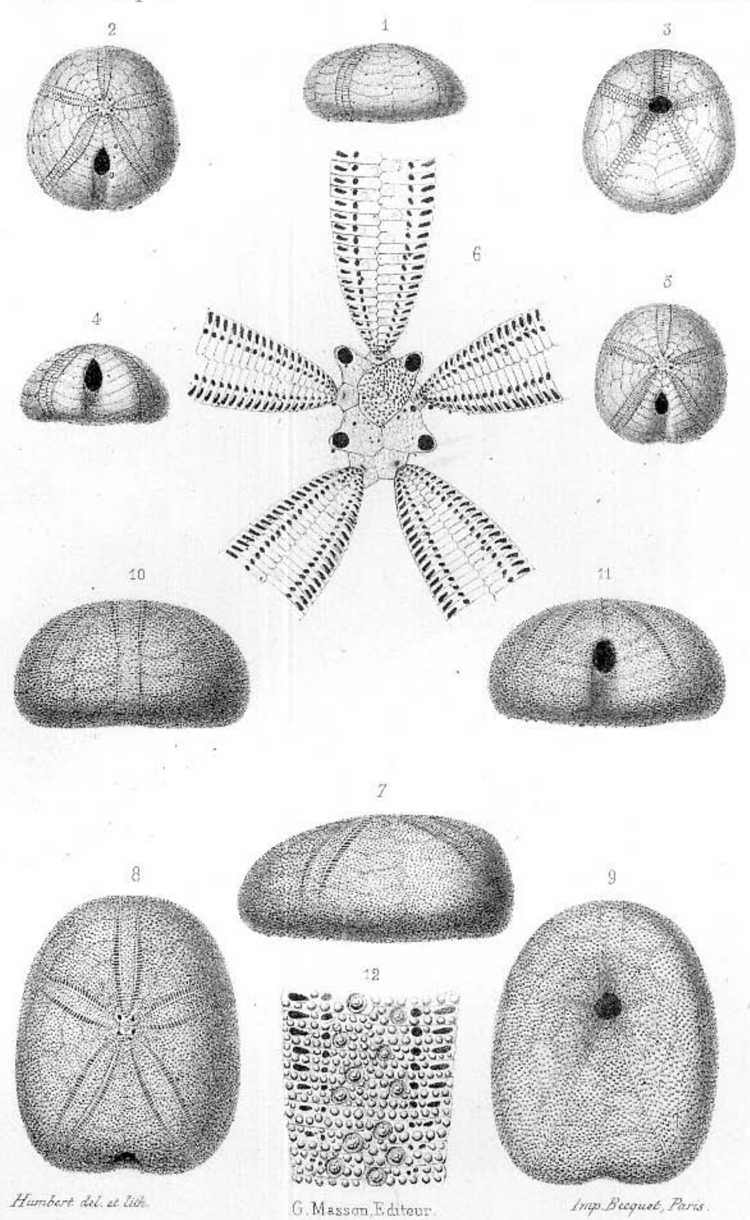
Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Echinobrissus Brodiei, Wright. Portlandien.



Humbert del. et lith. G. Masson Editeur. Imp. Becquet, Paris.

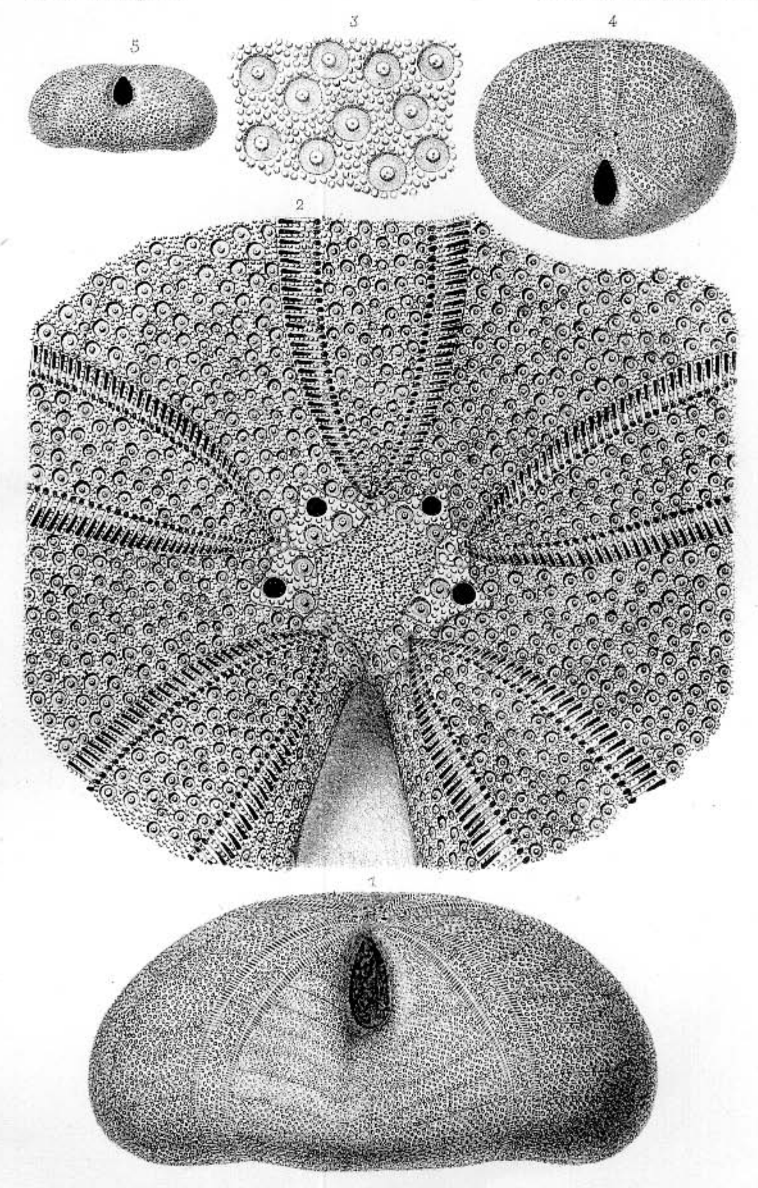
Echinobrissus Perroni, Etallon. Portlandien.



Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

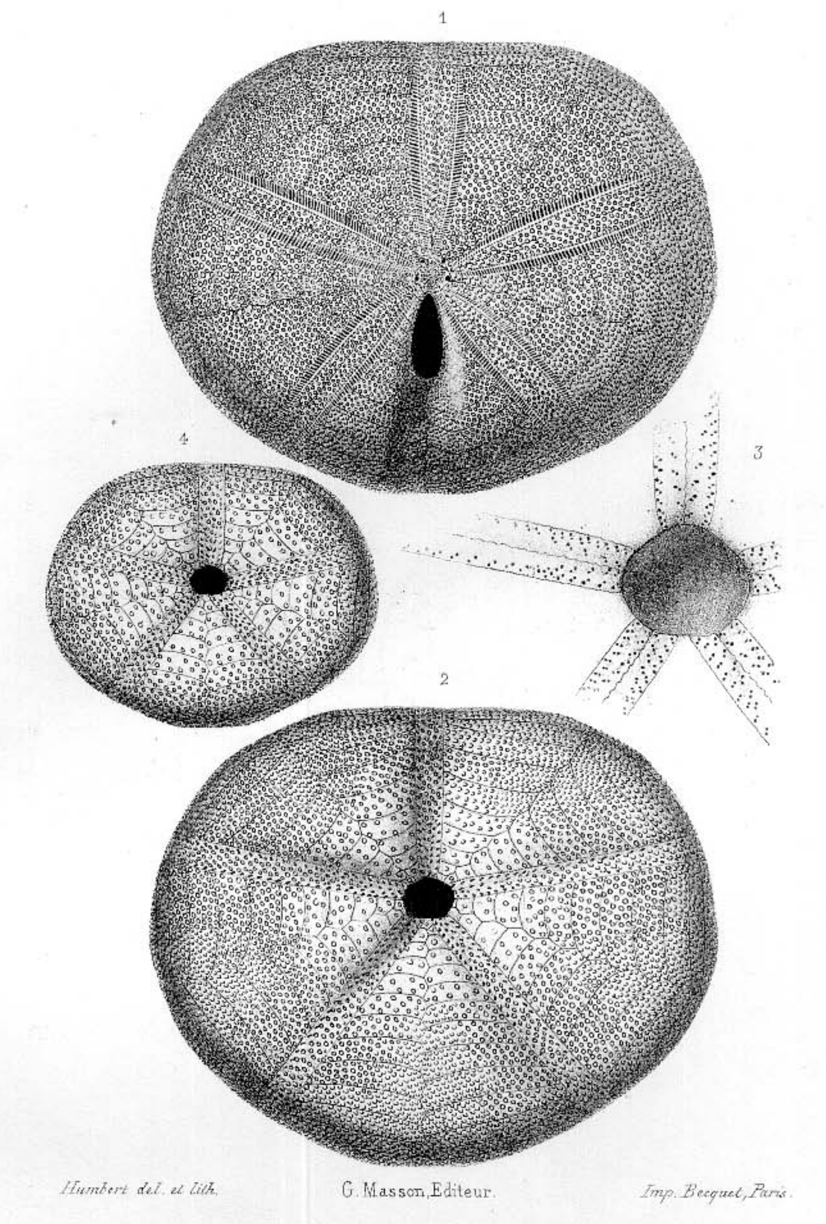
1 _ 6. *Echinobrissus Haimei*, Wright. Portlandien.

7 _ 12. *Phyllobrissus Thevenini*, Cotteau. Kimmeridgien.



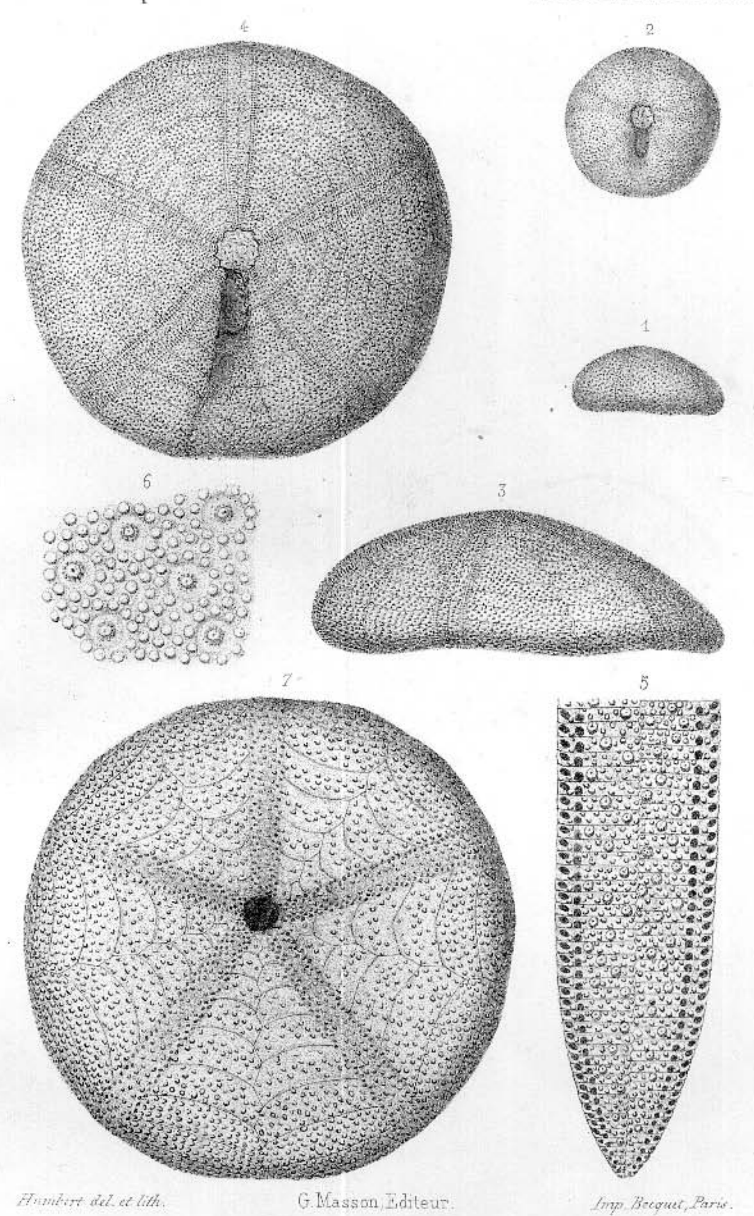
Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pseudodesorella Orbignyana, Etallon. Corallien.



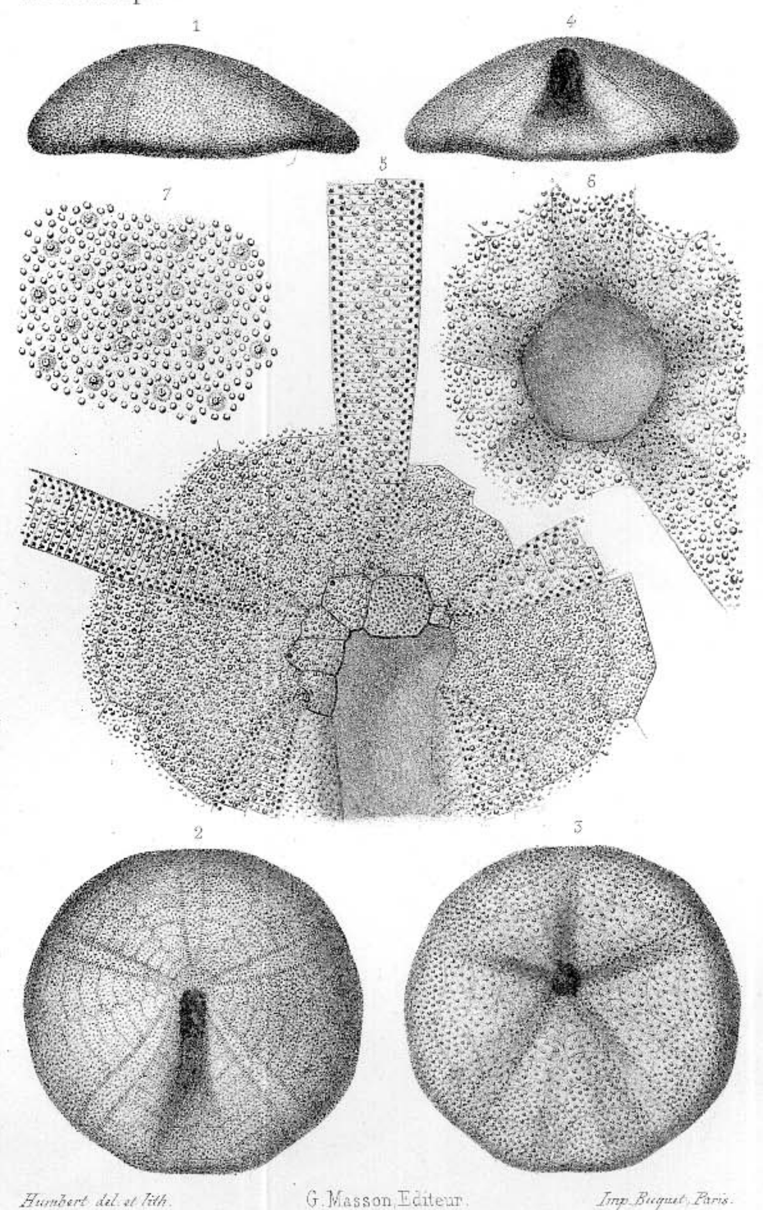
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Pseudodesorella Orbignyana, Etallon. Corallien.



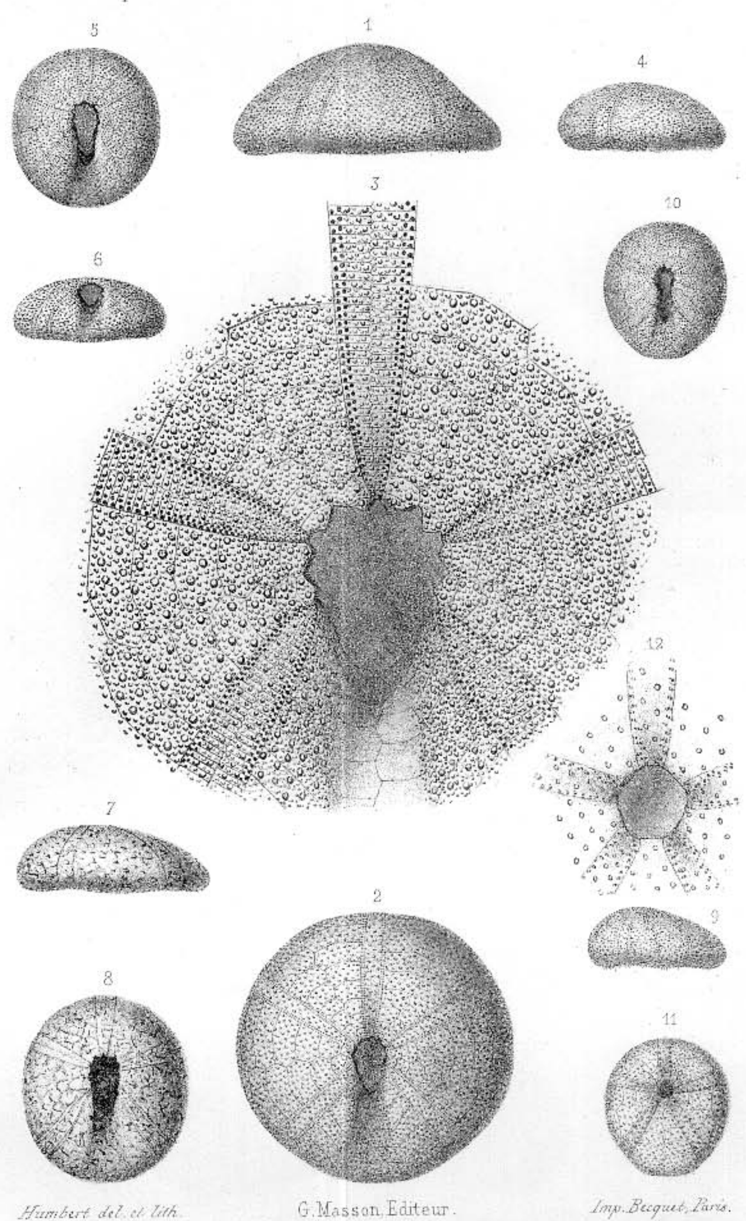
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

1 _ 2. *Galeropygus priscus*, Cotteau. Toarcien.
3 _ 7. *G.* ________ *agariciformis*, Cotteau. Toarcien.



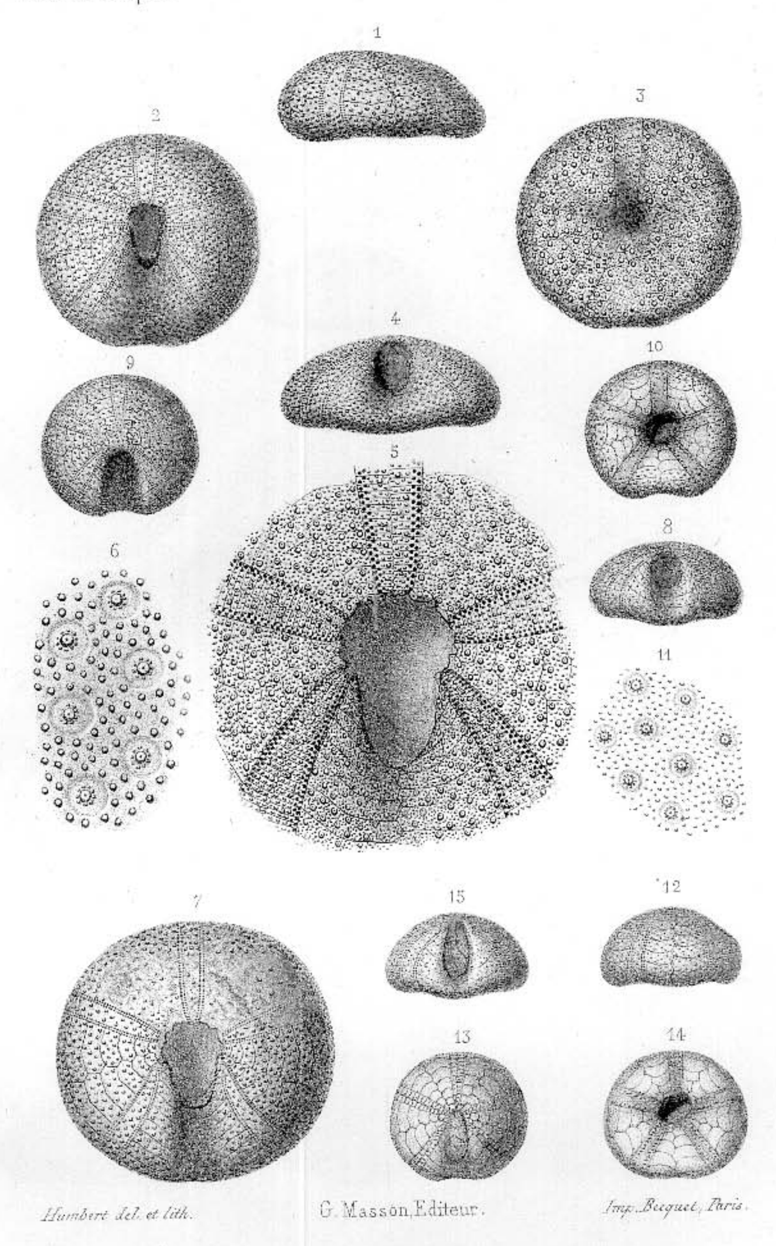
Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Galeropygus Marcou, Desor. Bajocien.



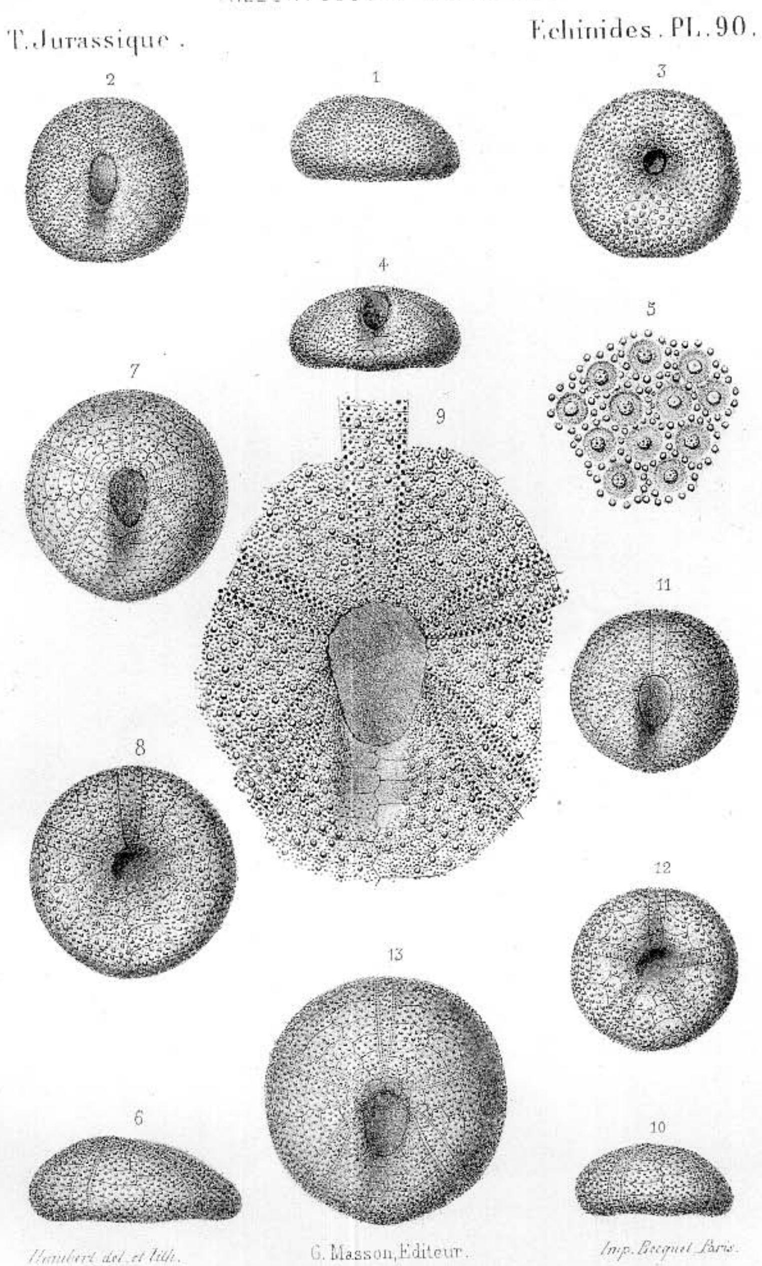
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

1 _ 3. *Galeropygus Marcou*, Desor. Bajocien.
4 _ 12. *G. ——— caudatus*, Cotteau. Bajocien et Bathonien.



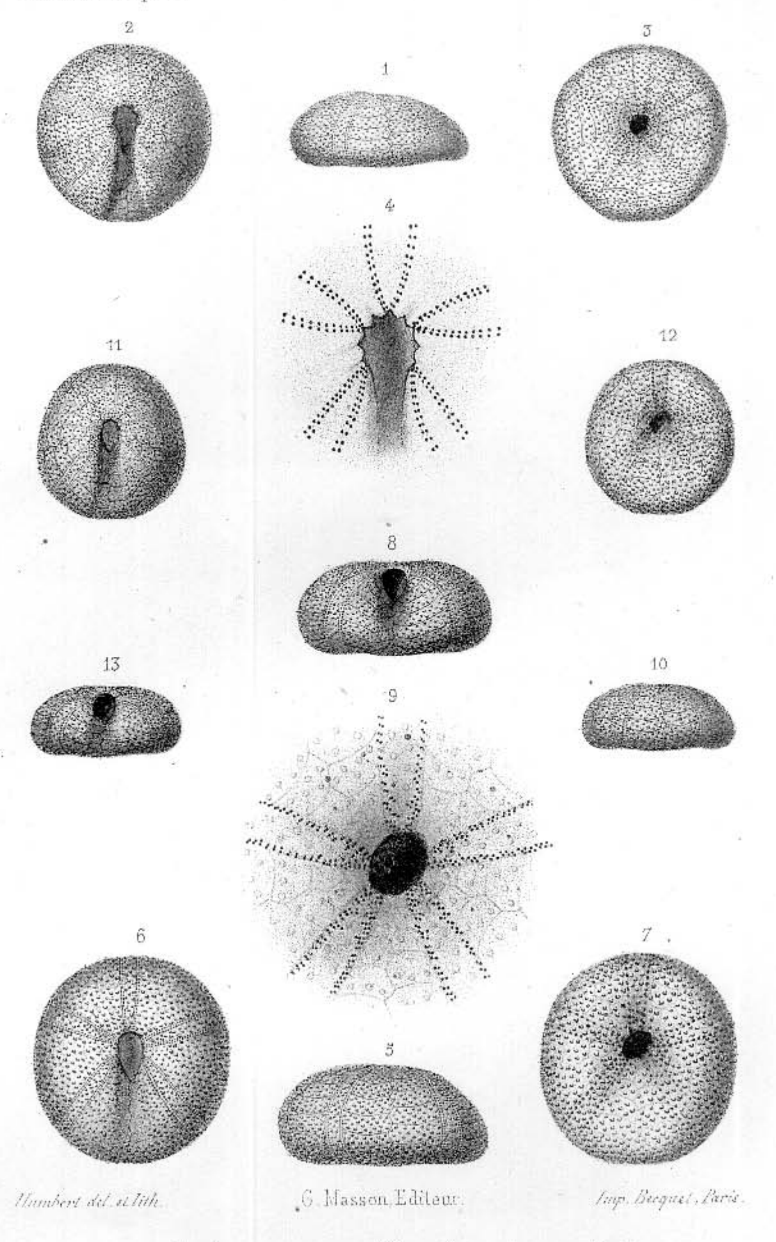
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

1 – 7. Galeropygus sulcatus, Cotteau. Bajocien.
8 – 15. G. ——— Baugieri, Cotteau. Bathonien.



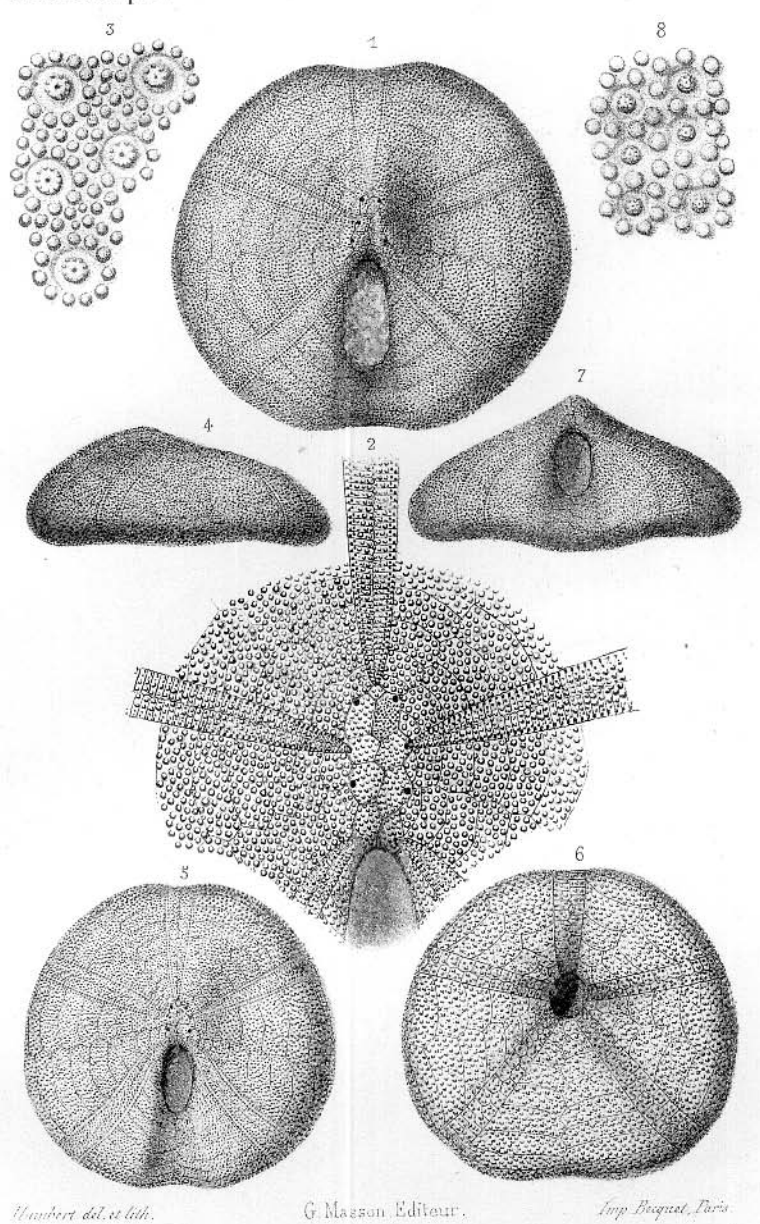
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet Paris.

Galeropygus Nodoti, Cotteau. Bathonien.



Humbert del. et lith. G. Masson Editeur. Imp. Becquet, Paris.

1 – 4. *Galeropygus disculus*, Cotteau. Bathonien.
5 – 13. *G. ———— crassus*, ————

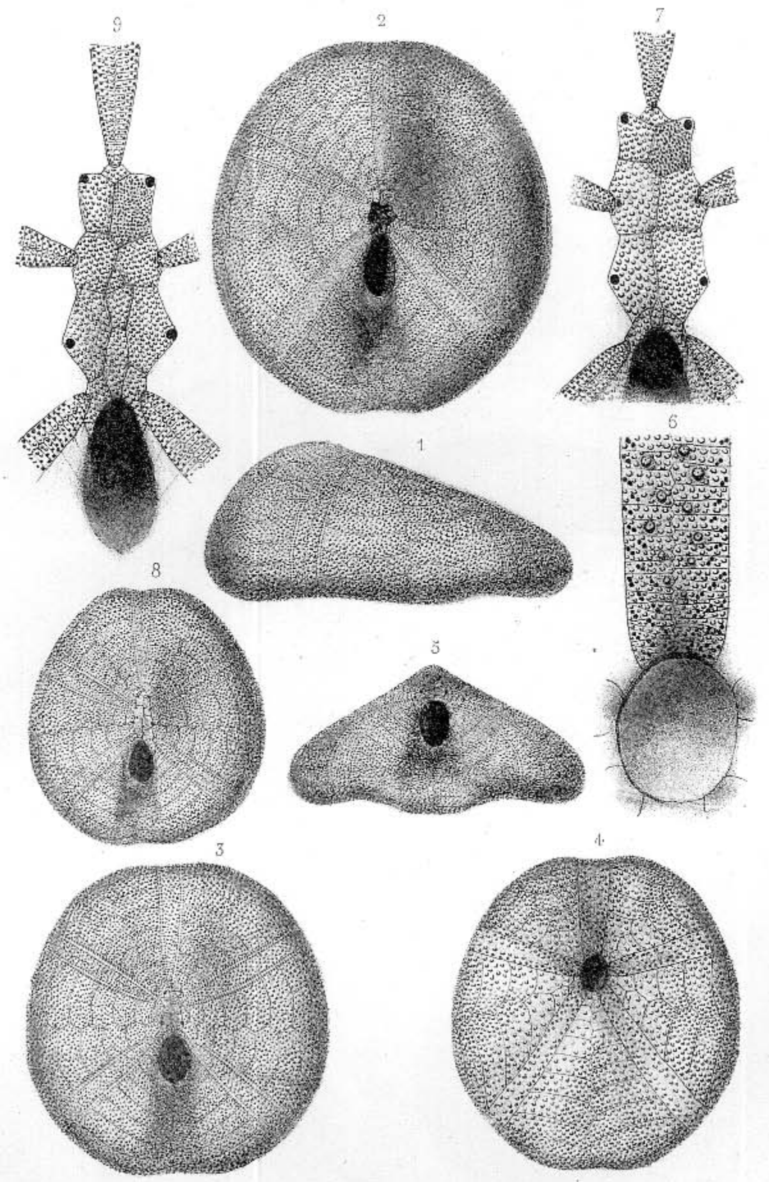


Humbert del. et lith.

G. Masson Editeur.

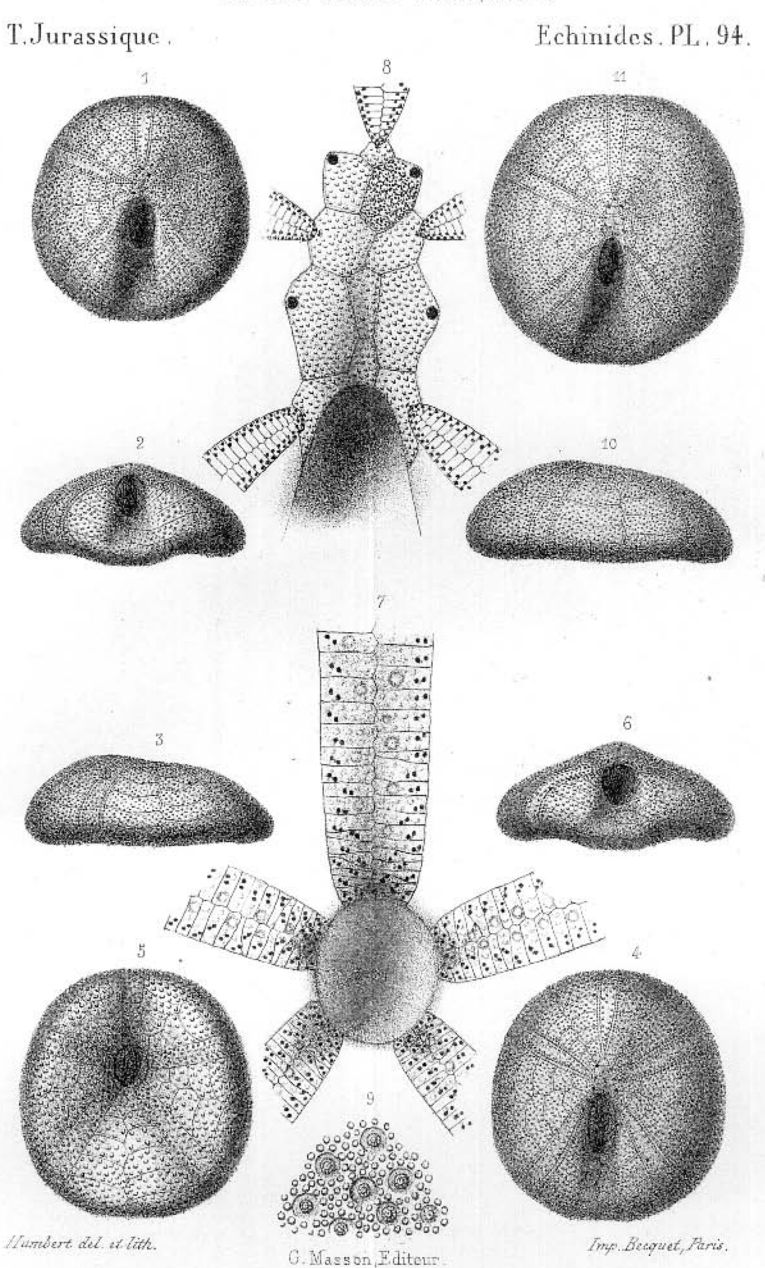
Imp. Becquet, Paris.

Hyboclypeus gibberulus, Agassiz. Bajocien et Bathonien.



Humbert del. et lith. G. Masson Editeur. Imp. Becquet, Paris.

Hyboclypeus gibberulus, Agassiz. Bathonien.



Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Hyboclypeus ovalis, Wright. Bajocien et Bathonien.

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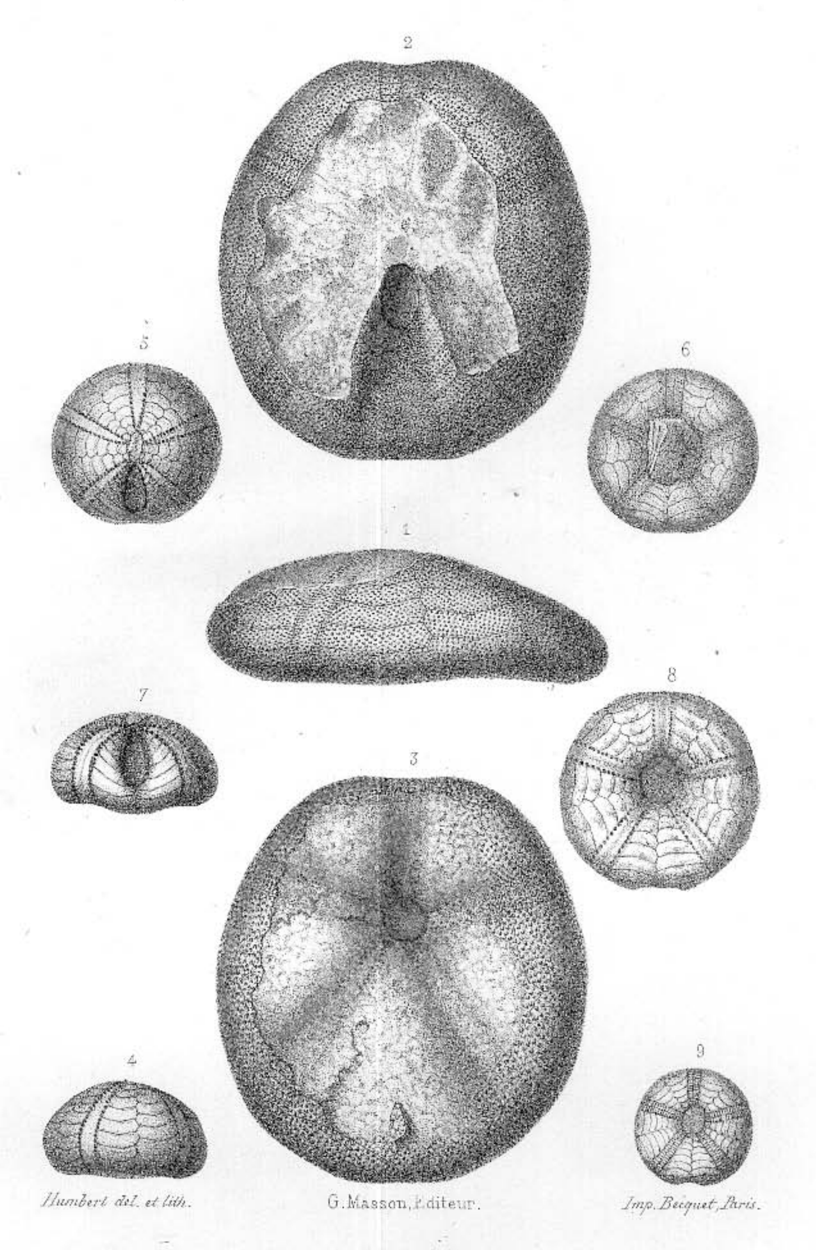
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8

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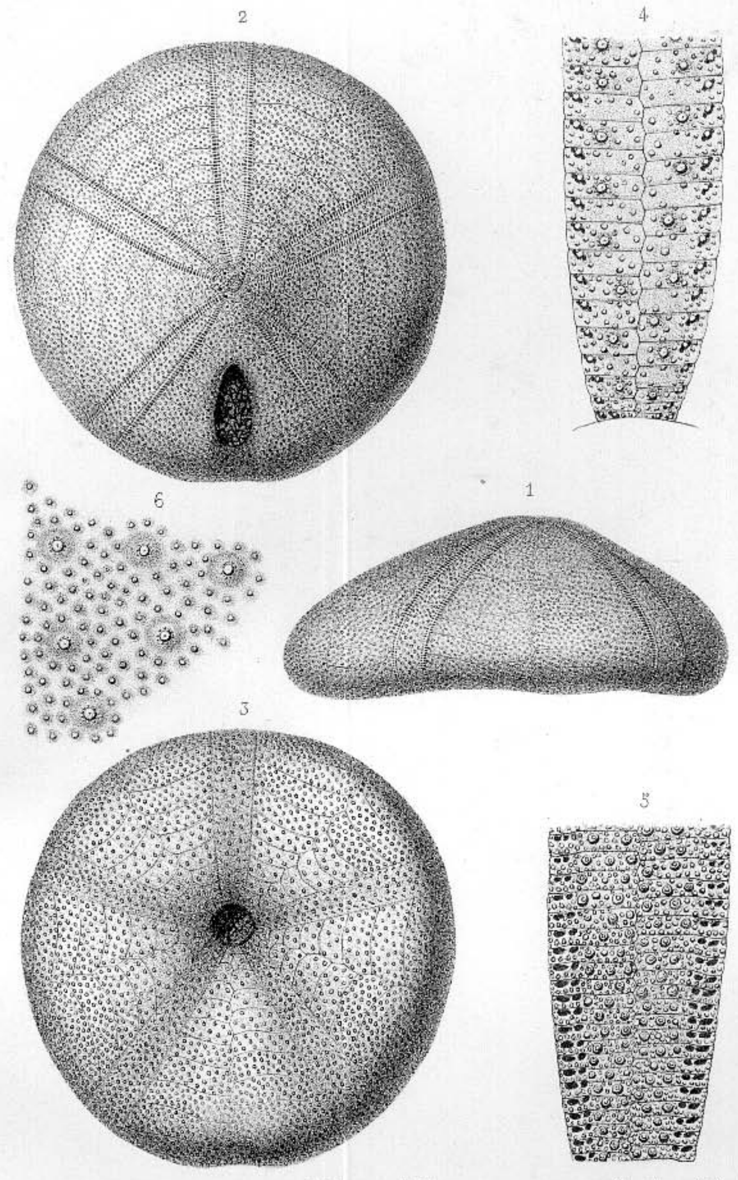
Humbert del. et lith. G. Masson Editeur. Imp. Becquet, Paris.

1 _ 9. *Hyboclypeus Theobaldi*, de Loriol. Bajocien.
10 _ 12. *H.* ——— *canaliculatus*, Desor. Bathonien.



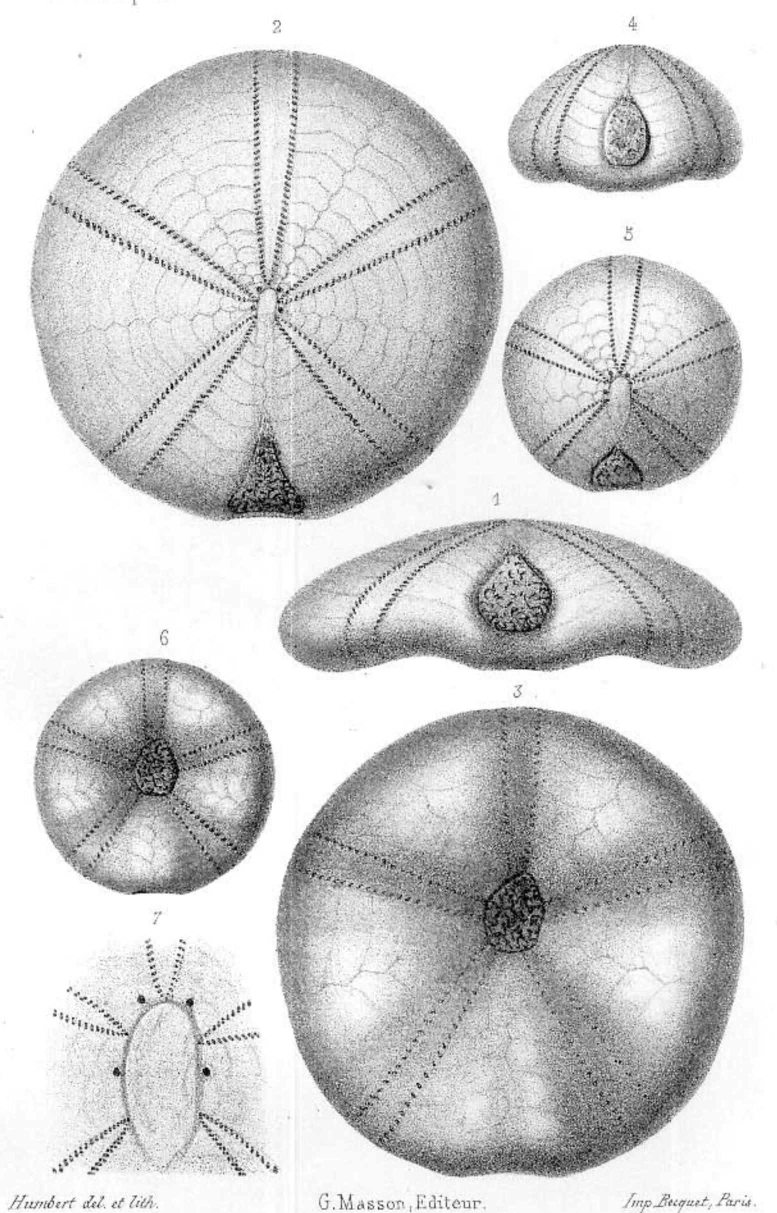
Humbert del. et lith. G. Masson, Éditeur. Imp. Becquet, Paris.

1 _ 3. *Hyboclypeus Wrighti*, Etallon. Corallien.
4 _ 9. *H.* ________ *Drogiacus*, Cotteau. ______



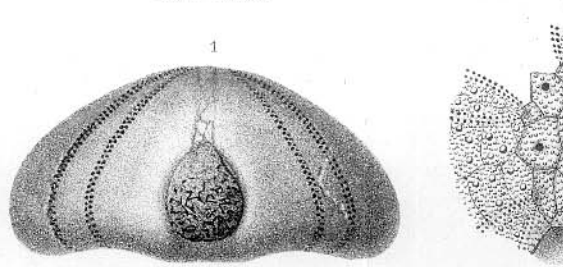
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Galeroclypeus Peroni, Cotteau. Bathonien.



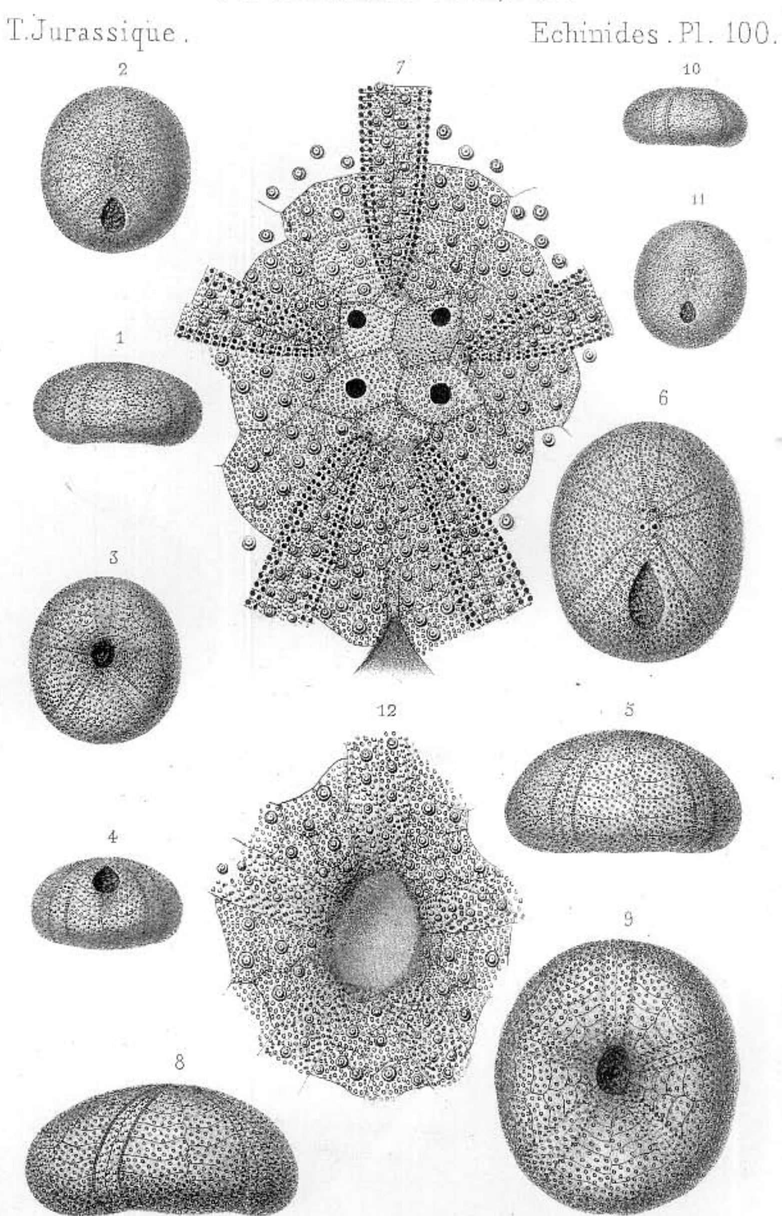
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Desorella elata, Cotteau. Corallien.



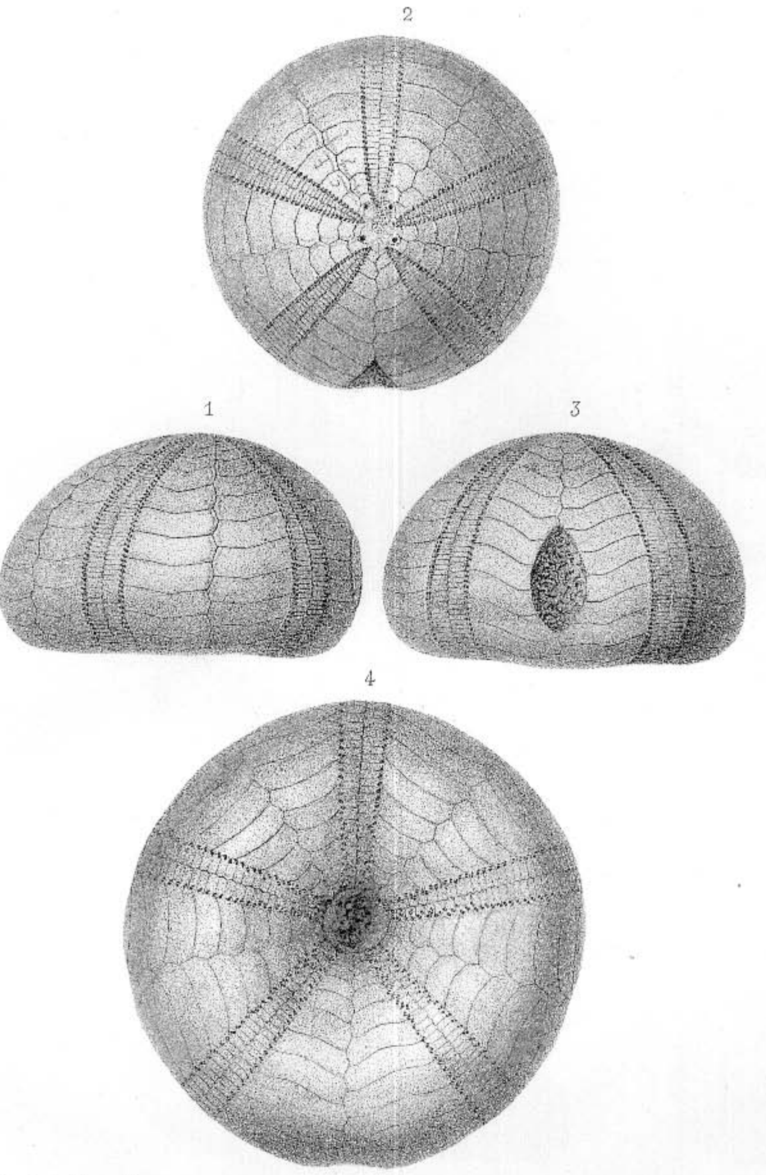
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

1 – 2. *Desorella elata*, Cotteau. Corallien.
3 – 7. *D. ——— Grasi*, Cotteau. ———
8 – 11. *Pyrina Guerangeri*, Cotteau. Bajocien.



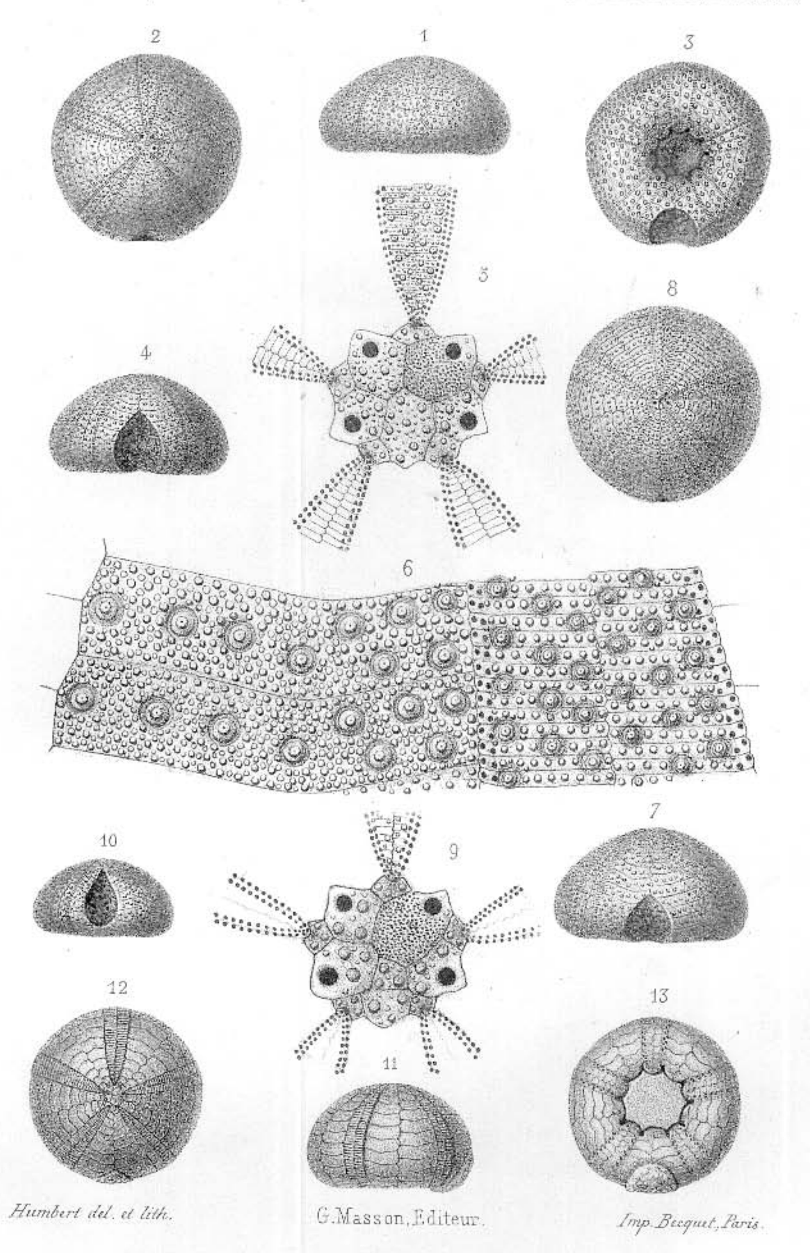
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Pyrina Icaunensis, de Loriol. Corallien.



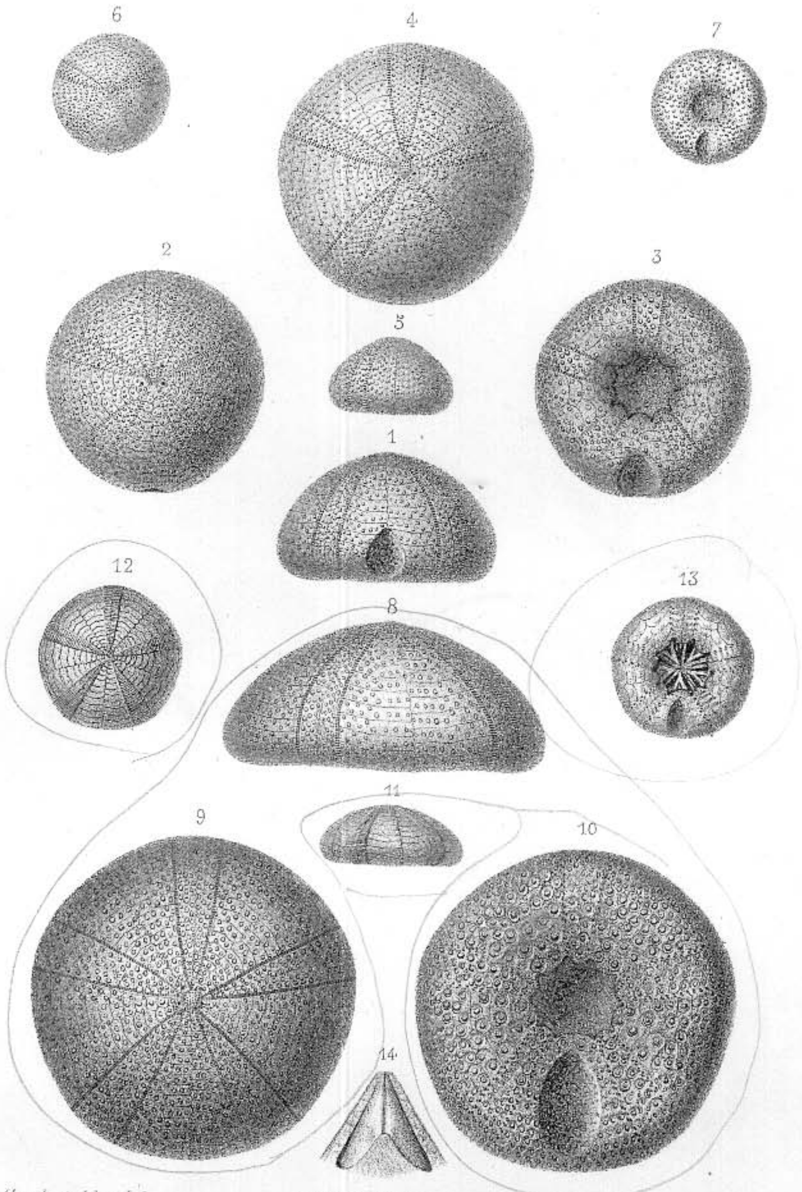
Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pachyclypeus semiglobus, *Desor. Oxfordien.*



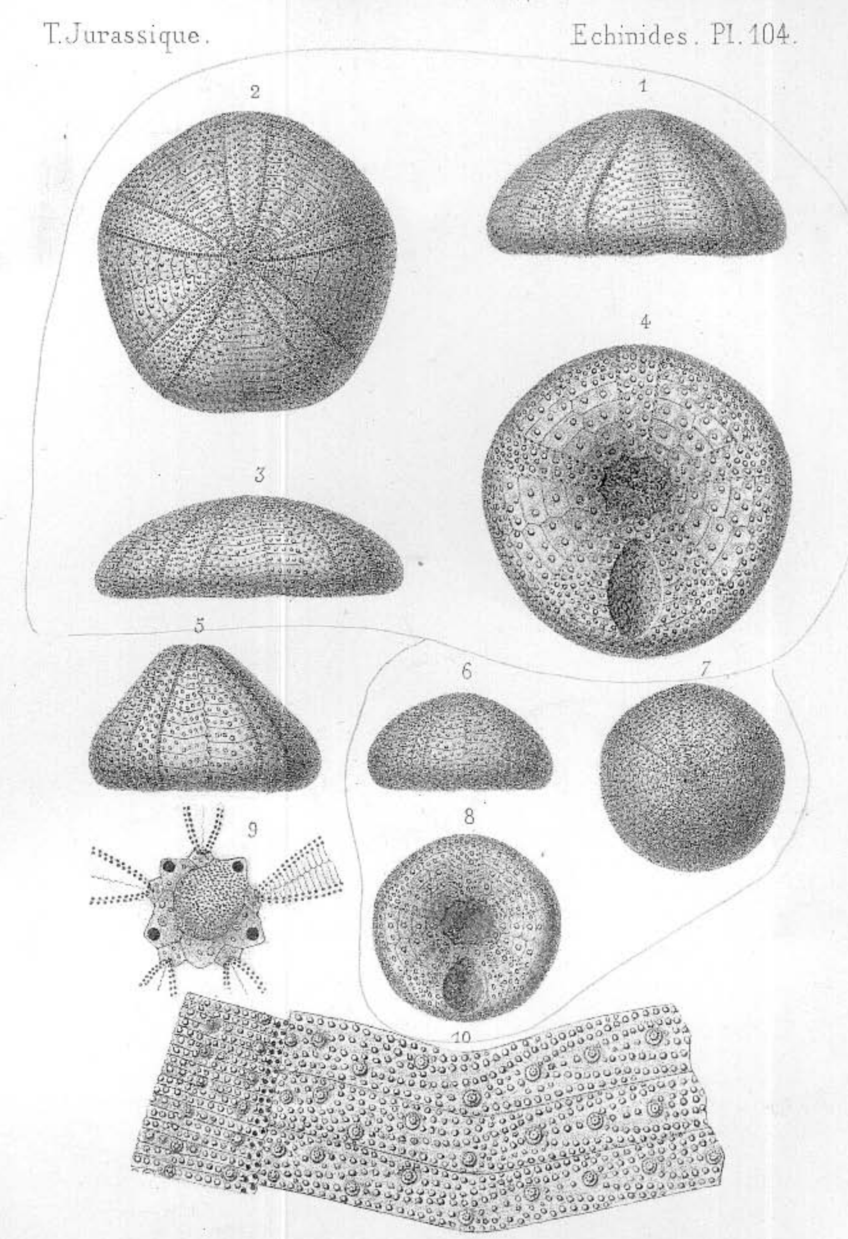
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Holectypus hemisphæricus, Desor. Bajocien.



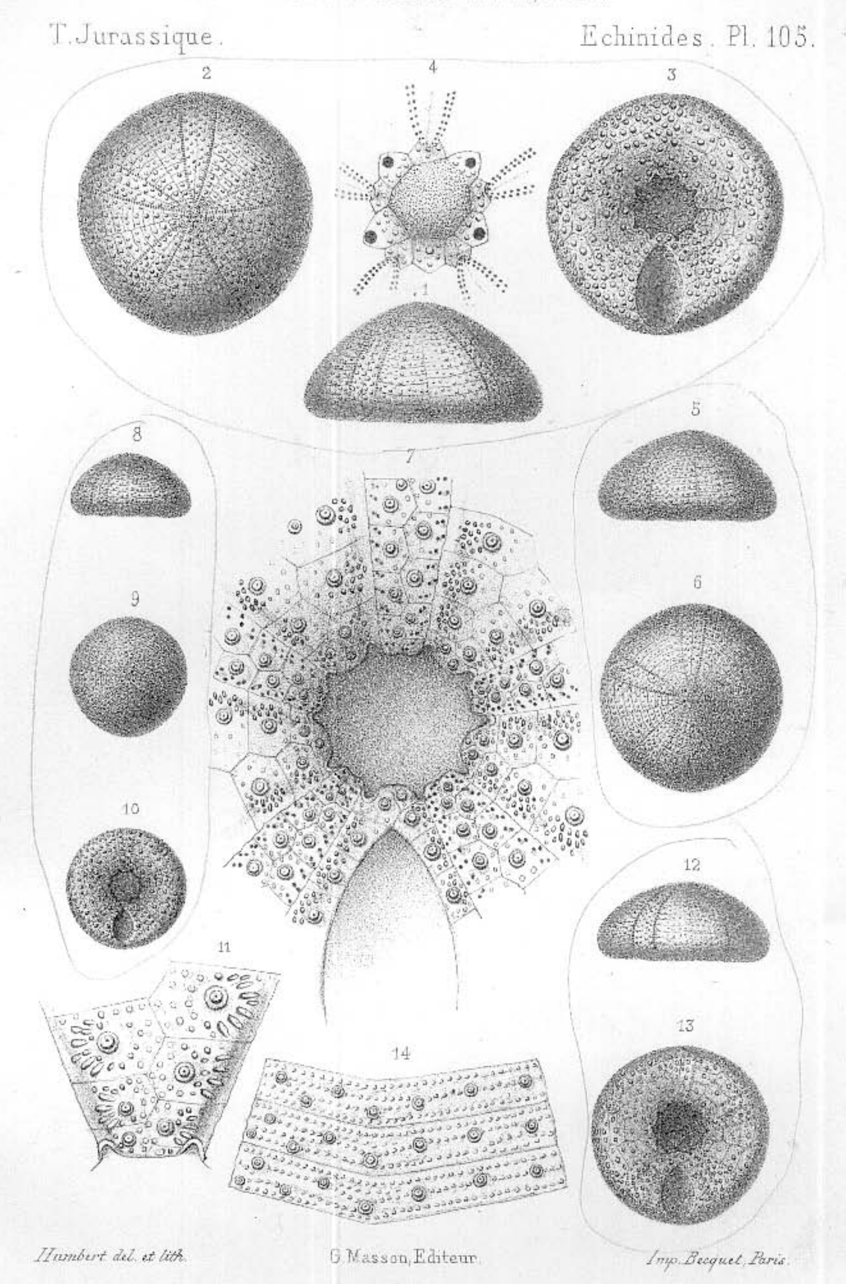
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

1_4. *Holectypus hemisphæricus*, Desor. Bathonien.
5_7. *H.* ——— *concavus*, Desor. Bajocien.
8_14. *H.* ——— *depressus*, Desor. ———



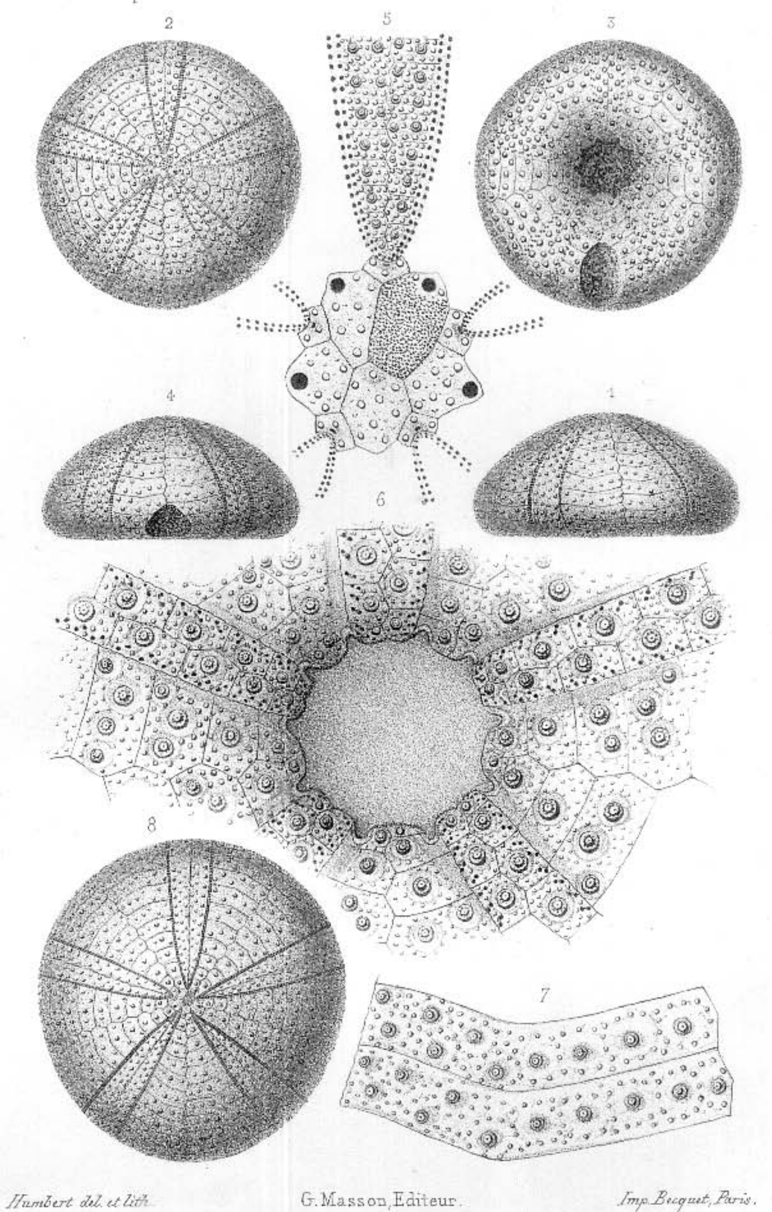
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Holectypus depressus, Desor. Bajocien.



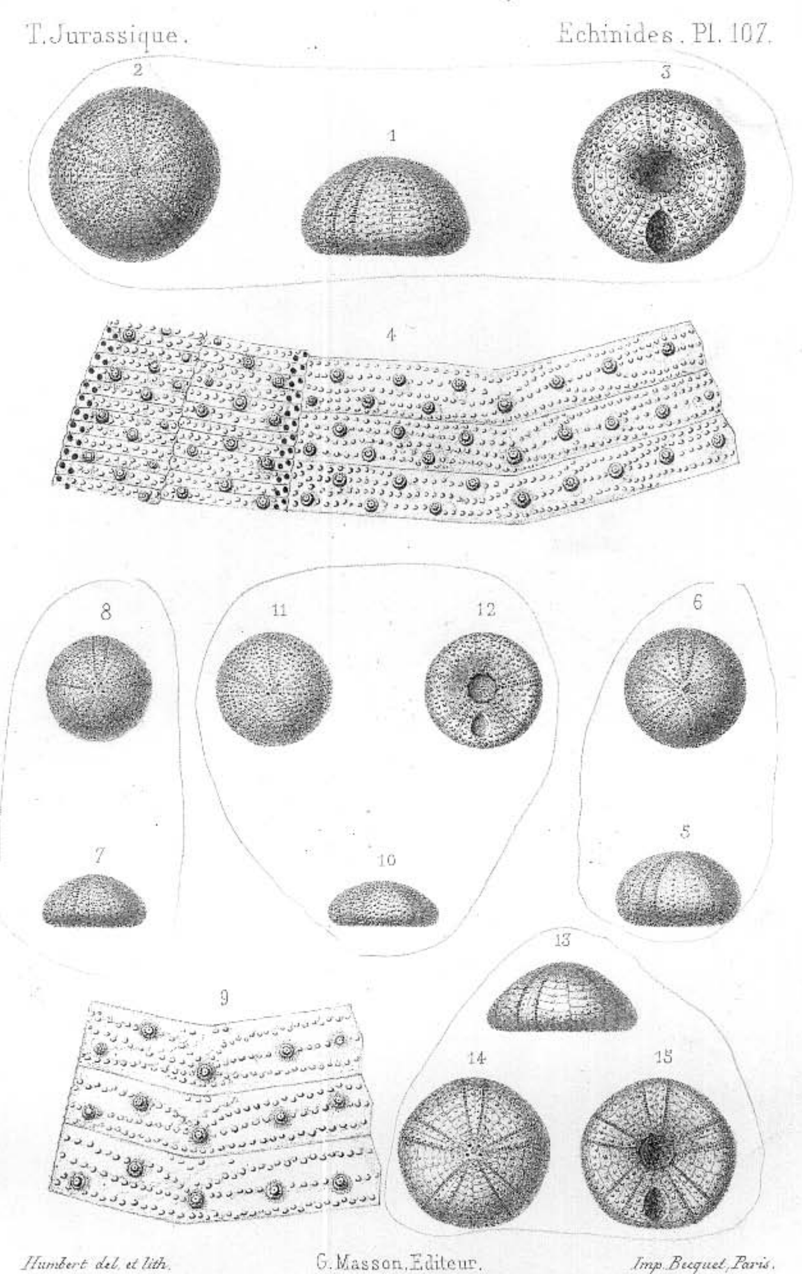
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Holectypus depressus, Desor. Callovien et corallien.



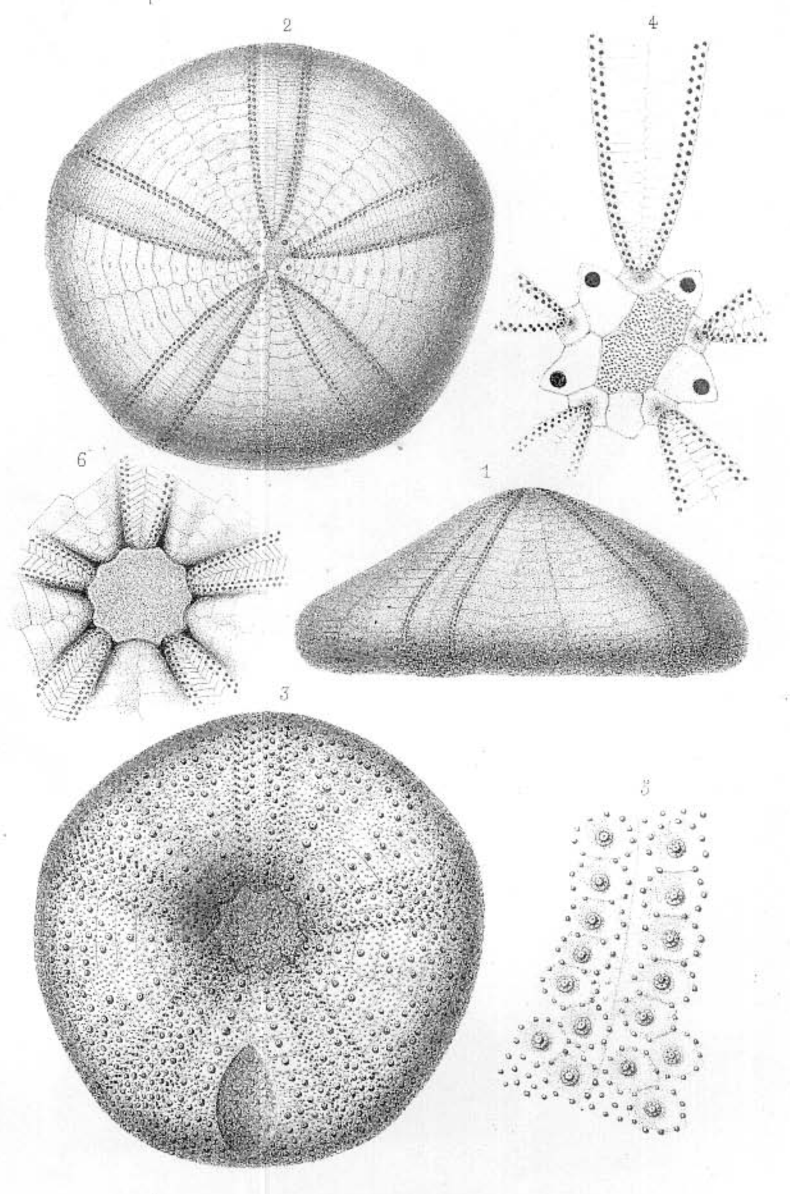
Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Holectypus Sarthacensis, Cotteau. Bathonien et callovien.



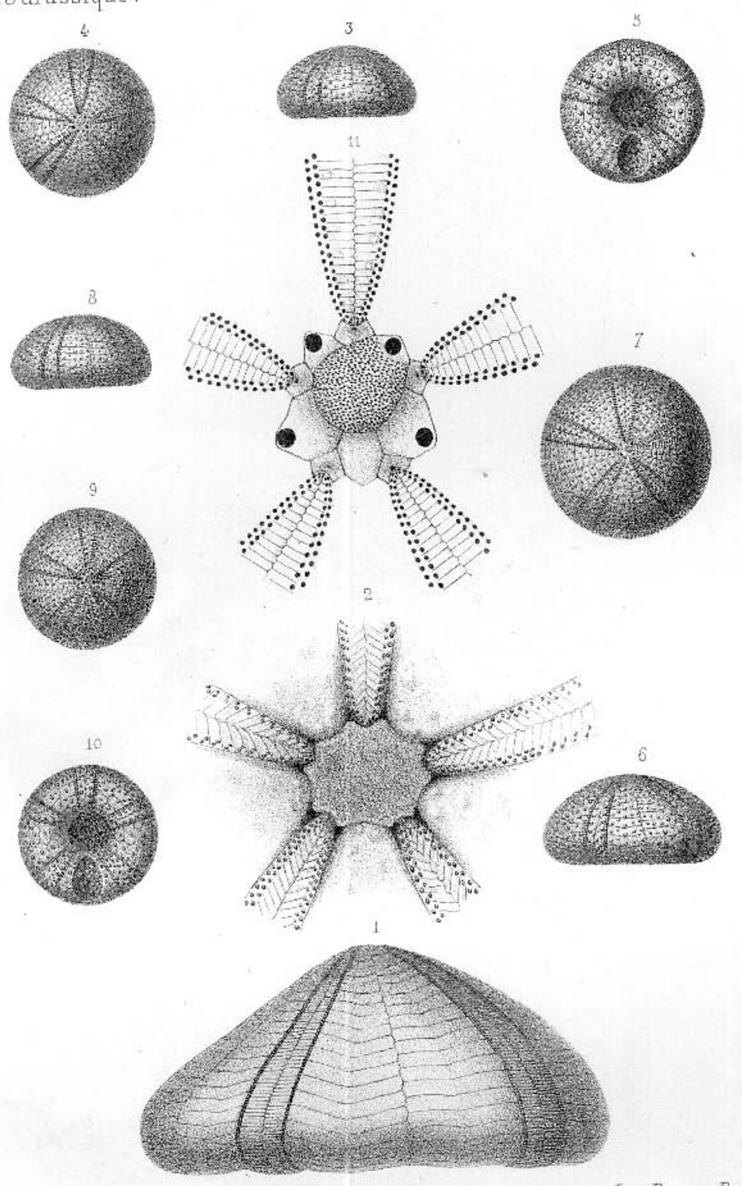
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

1 – 9. Holectypus punctulatus, Desor. Bathonien.
10 – 15. H. ——— planus, Desor. Oxfordien.



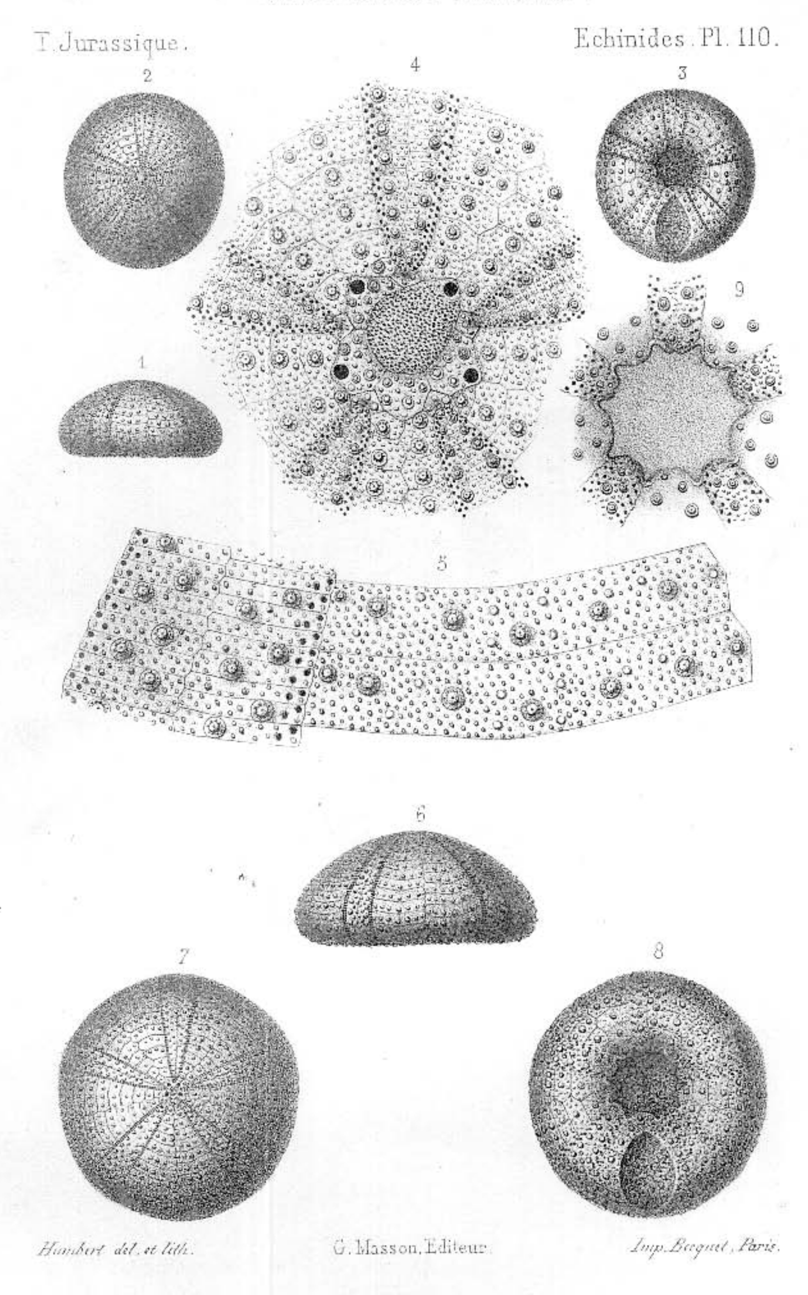
Humbert del. et lith. G. Masson, Editeur Imp. Becquet, Paris.

Holectypus Drogiacus, Cotteau. Corallien inf.



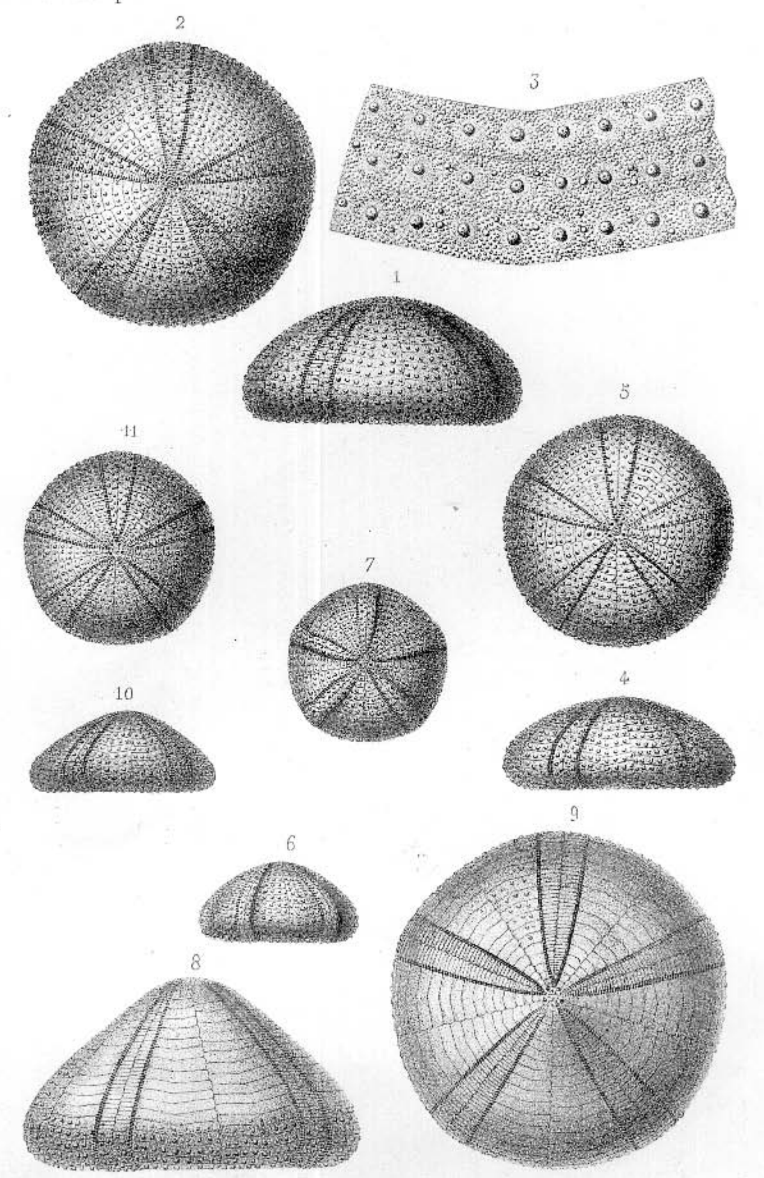
Humbert del. et lith. G. Masson Editeur. Imp. Becquet, Paris.

1 _ 2. *Holectypus Drogiacus*, Cotteau. Corallien inf.
3 _ 10. *H. ——— orificiatus*, de Loriol. Kimmeridgien.



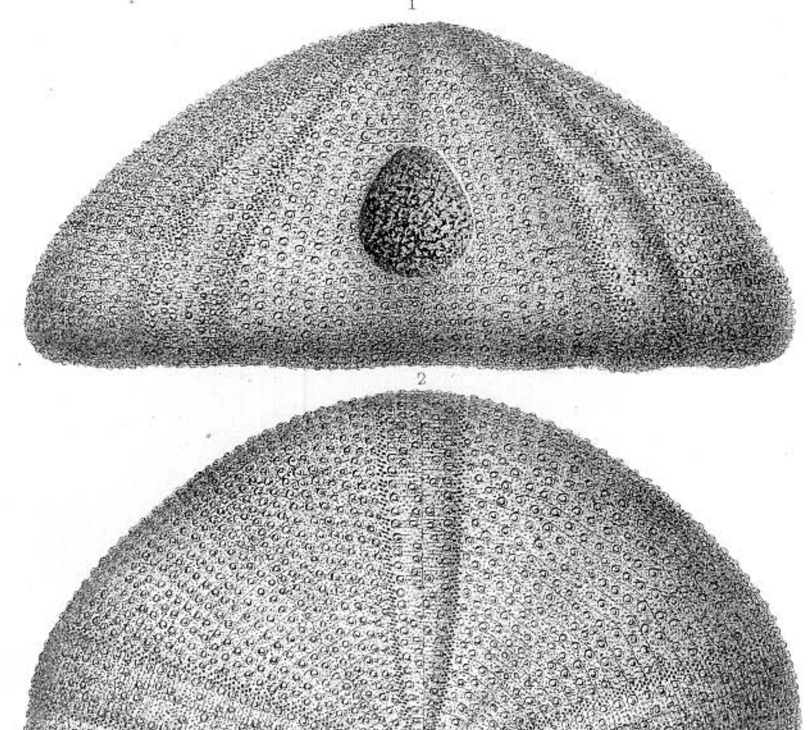
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Holectypus corallinus, d'Orbigny. Oxfordien et corallien.



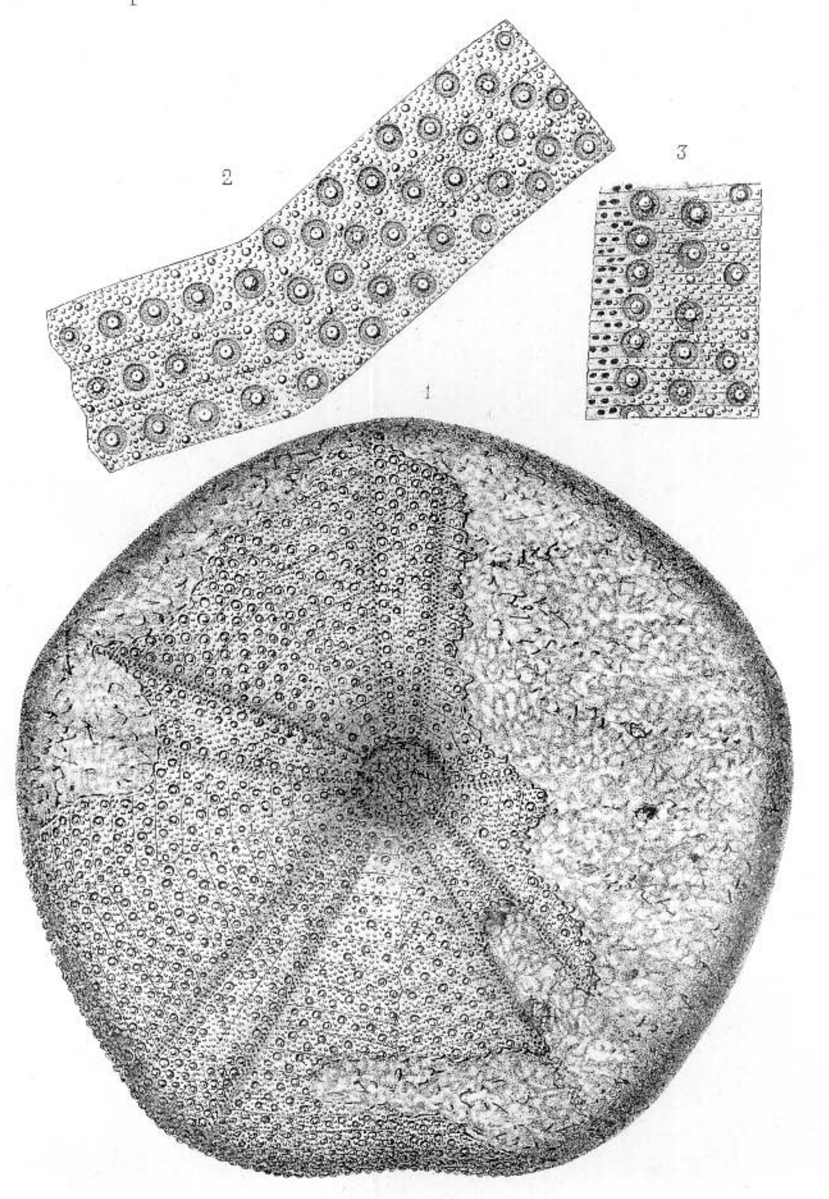
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Holectypus corallinus, d'Orbigny. Corallien, kimmeridgien et portlandien.



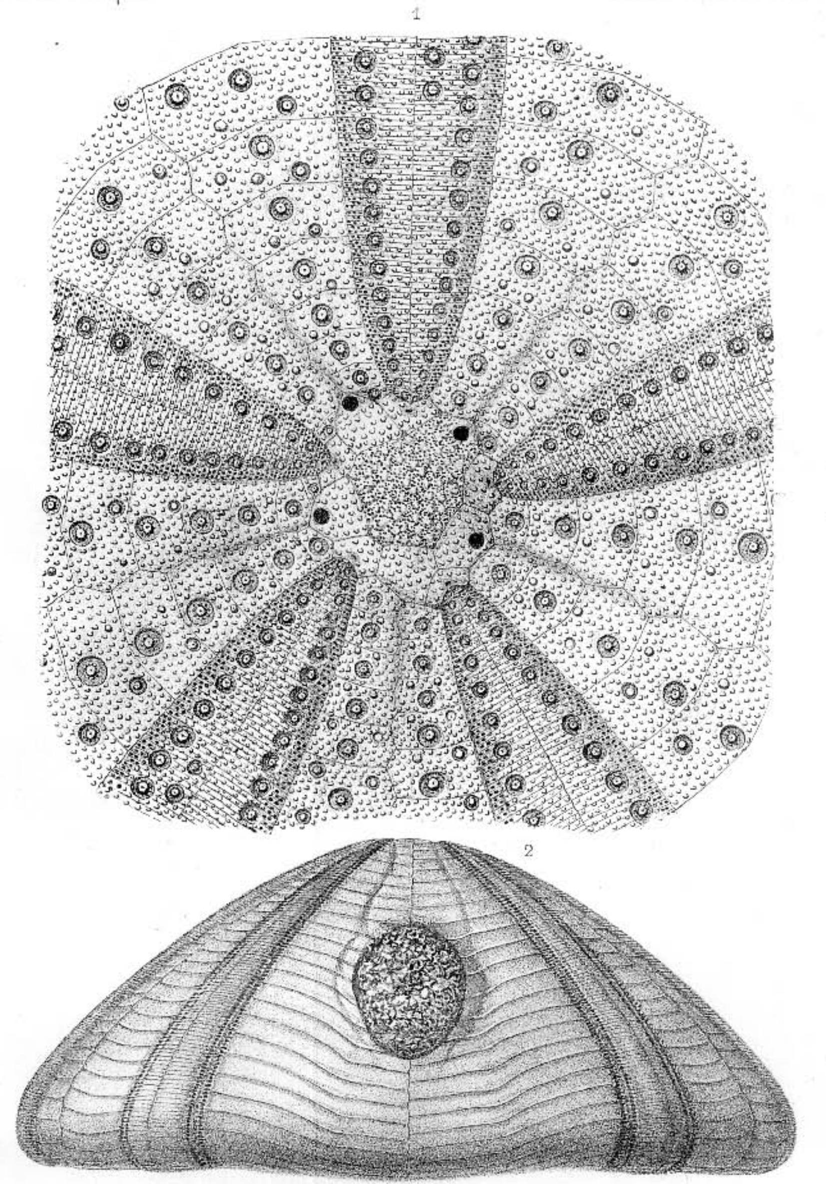
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Pileus hemisphæricus, Desor. Corallien.



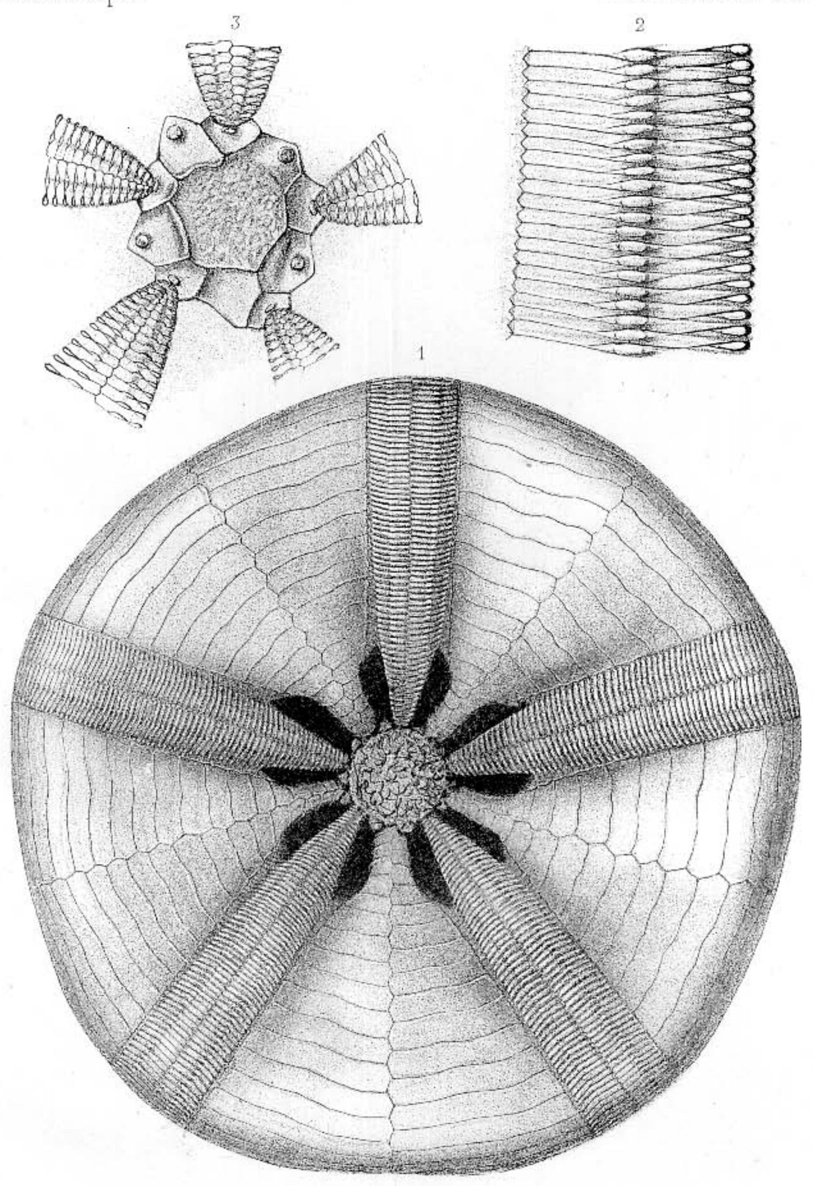
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Pileus hemisphæricus, Desor. Corallien.



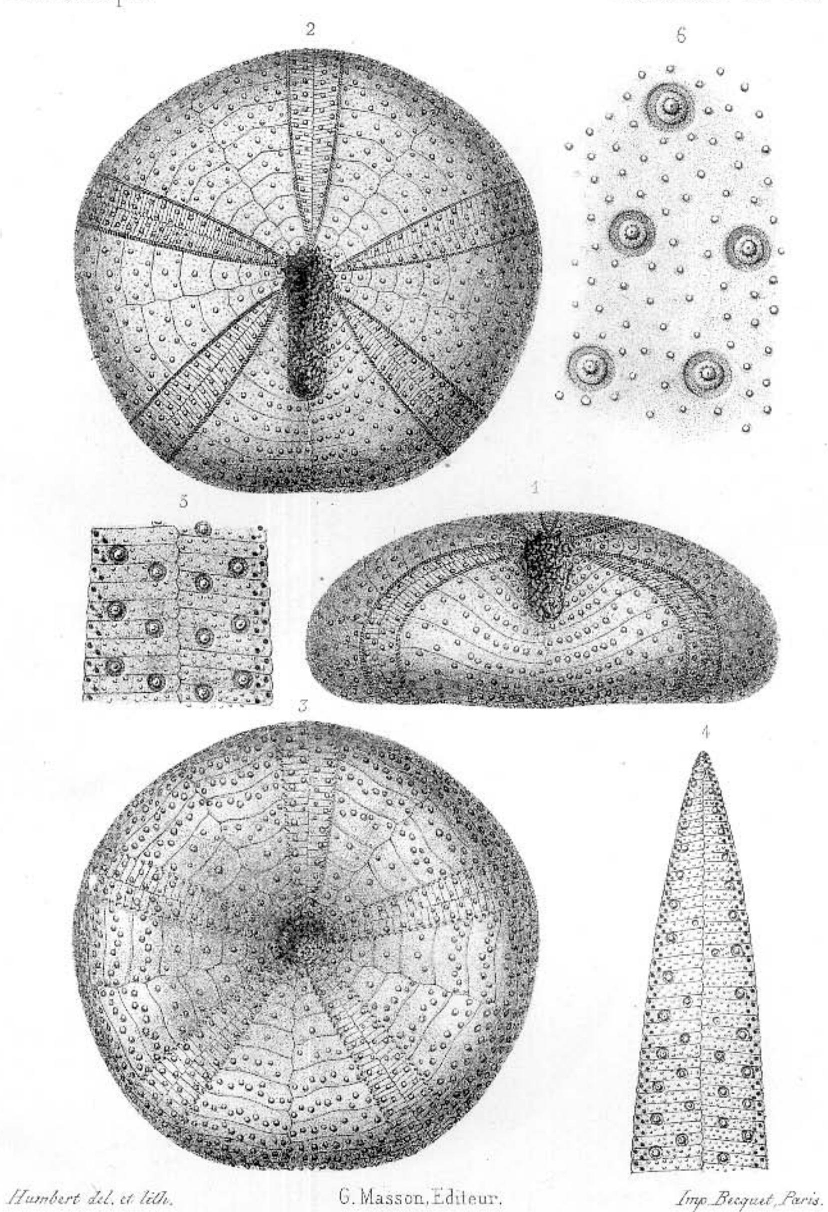
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Pileus hemisphæricus, Desor. Corallien.



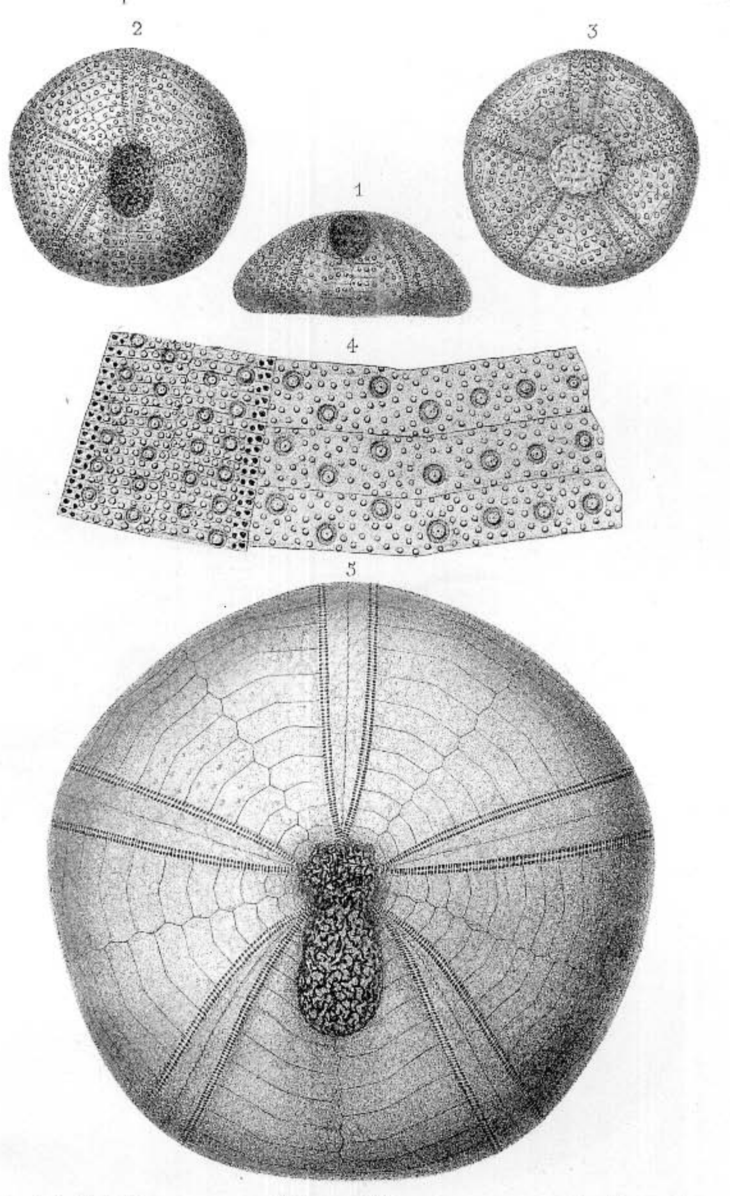
Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pileus hemisphæricus, Desor. Corallien.



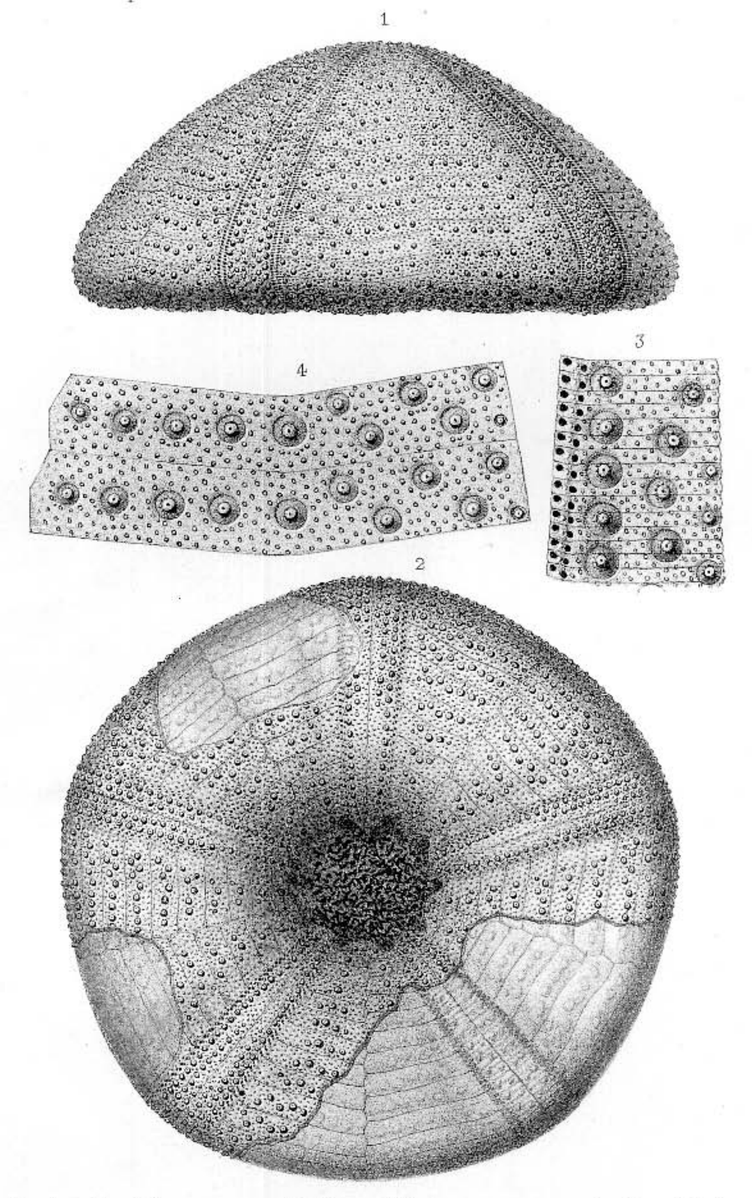
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Galeropygus Marioni, Cotteau. Oxfordien.



Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

1 – 4. *Pygaster Reynesi*, *Desor. Liasien.*
5. *P. ——— semisulcatus*, *Agassiz. Bajocien.*



Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Pygaster semisulcatus, Agassiz. Bajocien.

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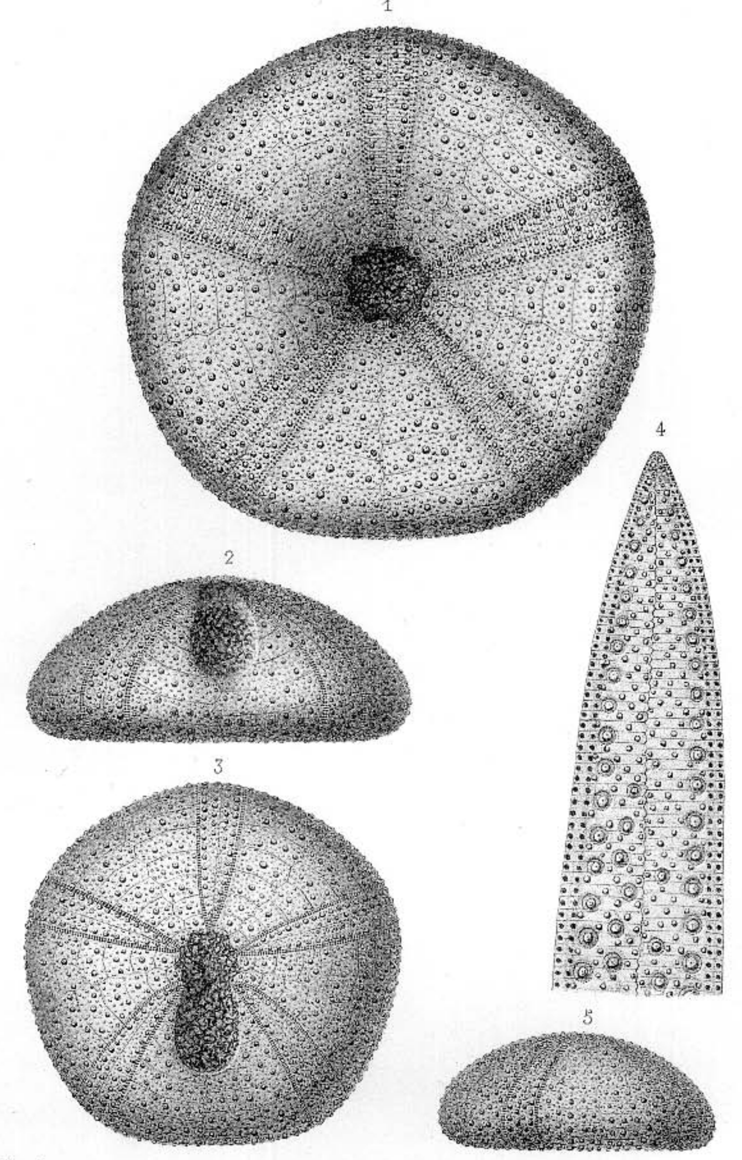
5

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2

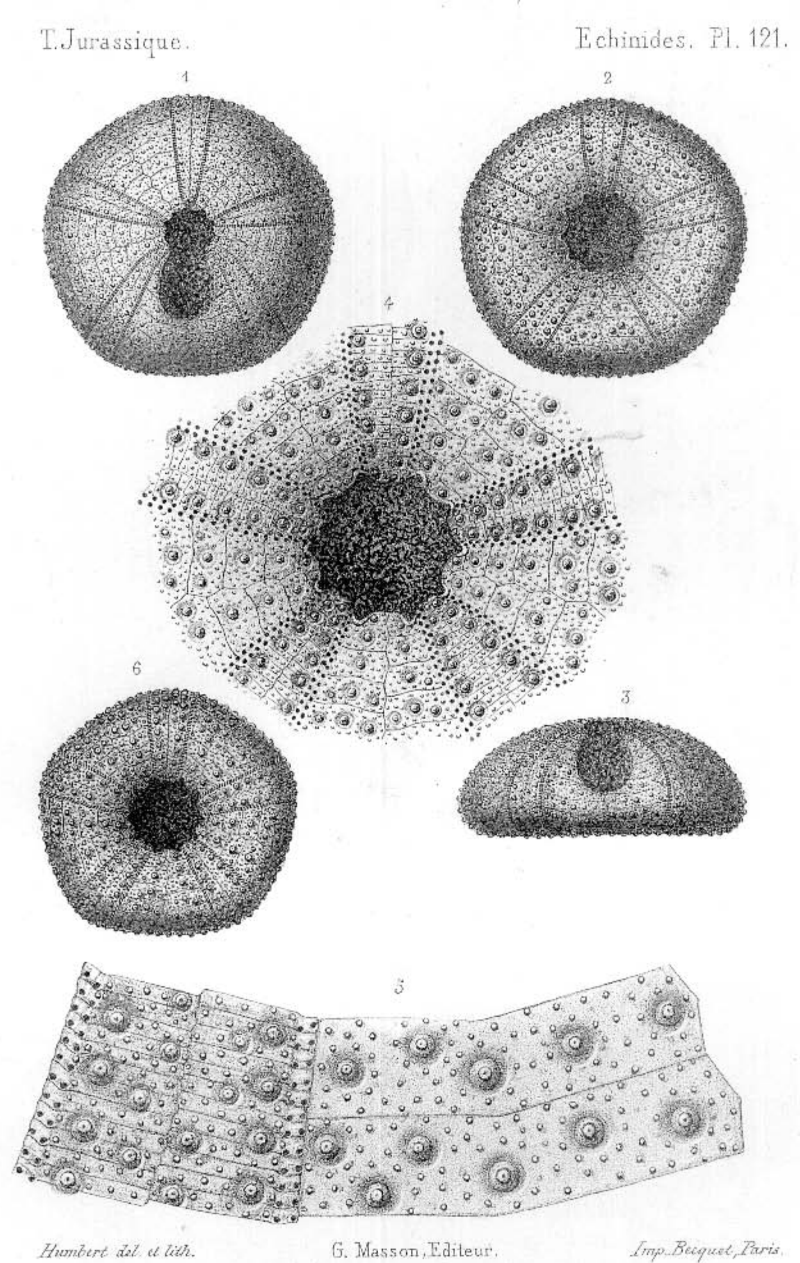
Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pygaster conoideus, Wright. Bajocien.



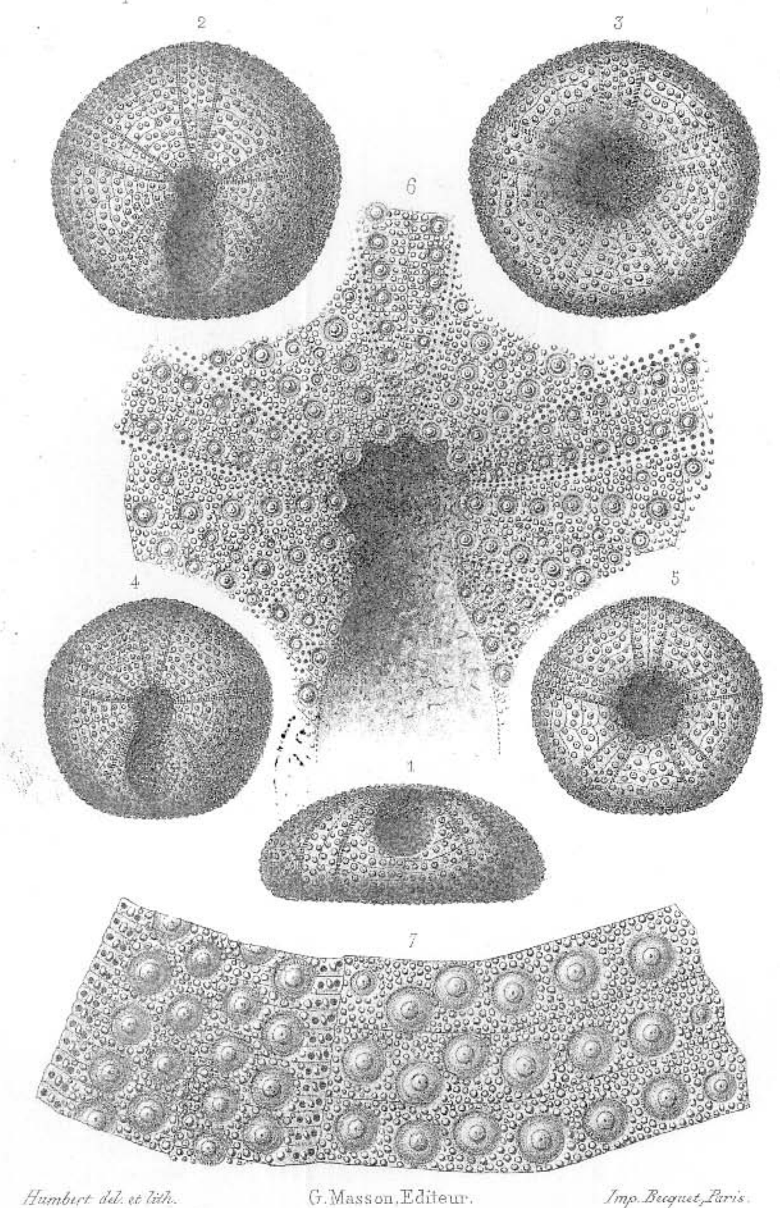
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

1. *Pygaster conoideus*, Wright. Bajocien.
2 – 5. *P. ——— Trigeri*, Cotteau. Bathonien.



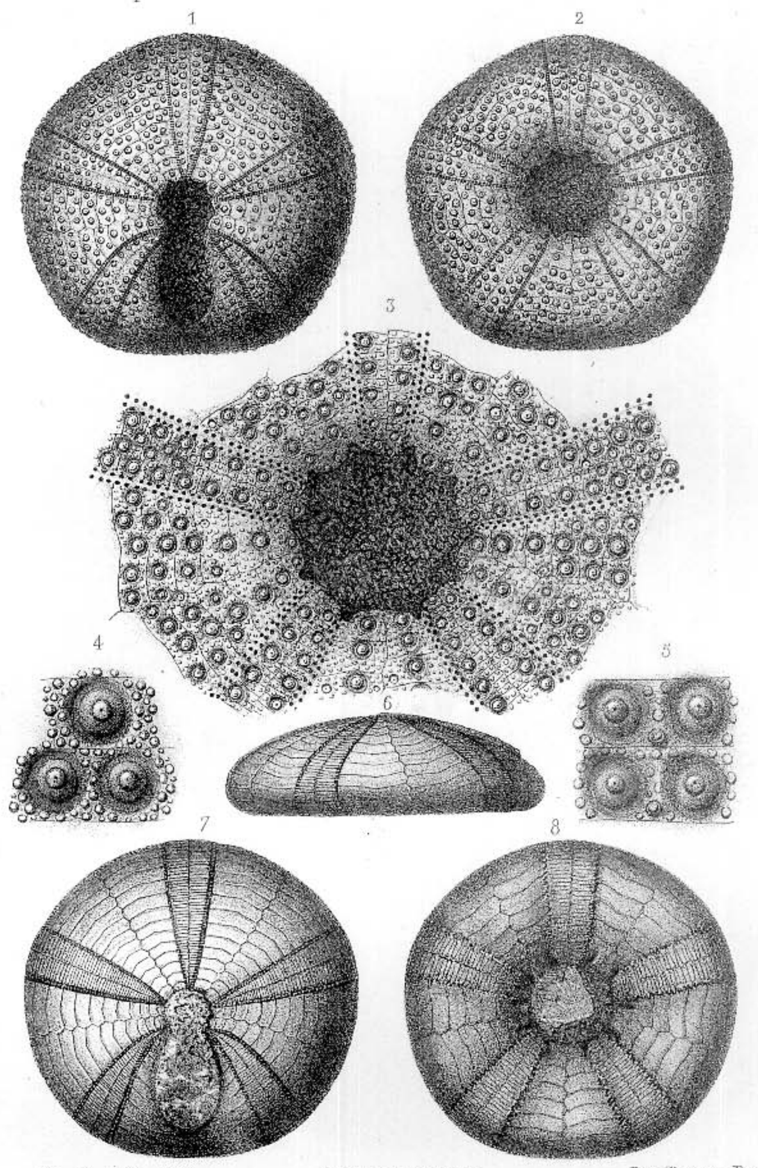
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Pygaster Trigeri, Cotteau. Bathonien.



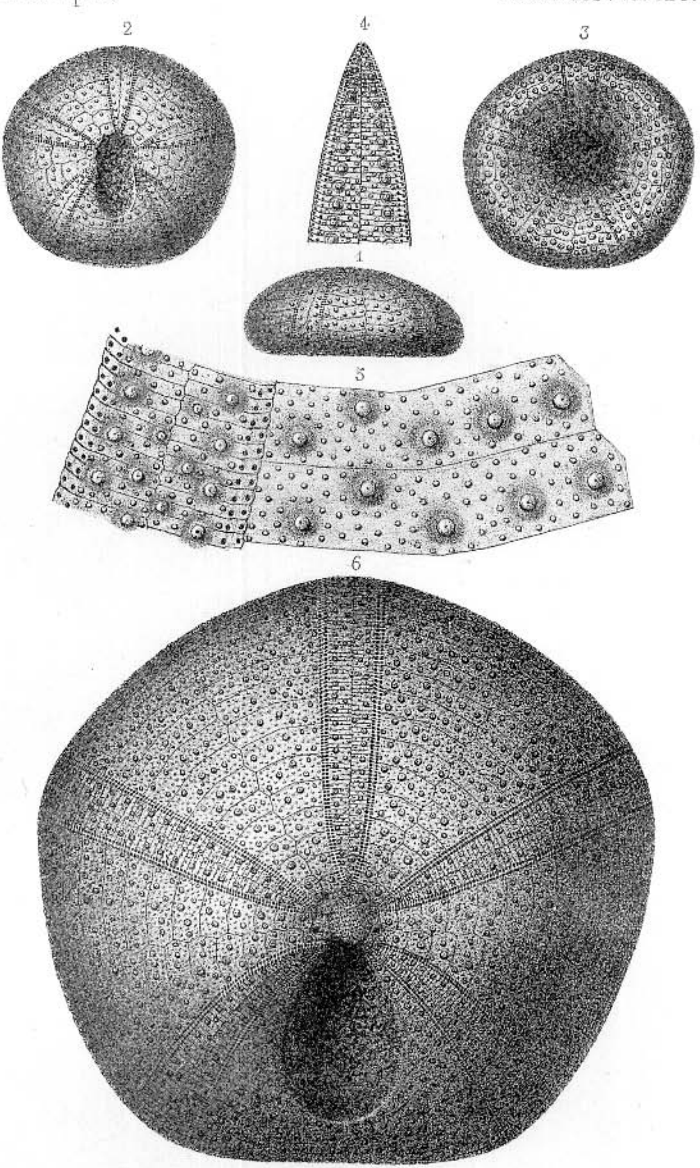
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Pygaster laganoides, *Agassiz*. *Bathonien*.



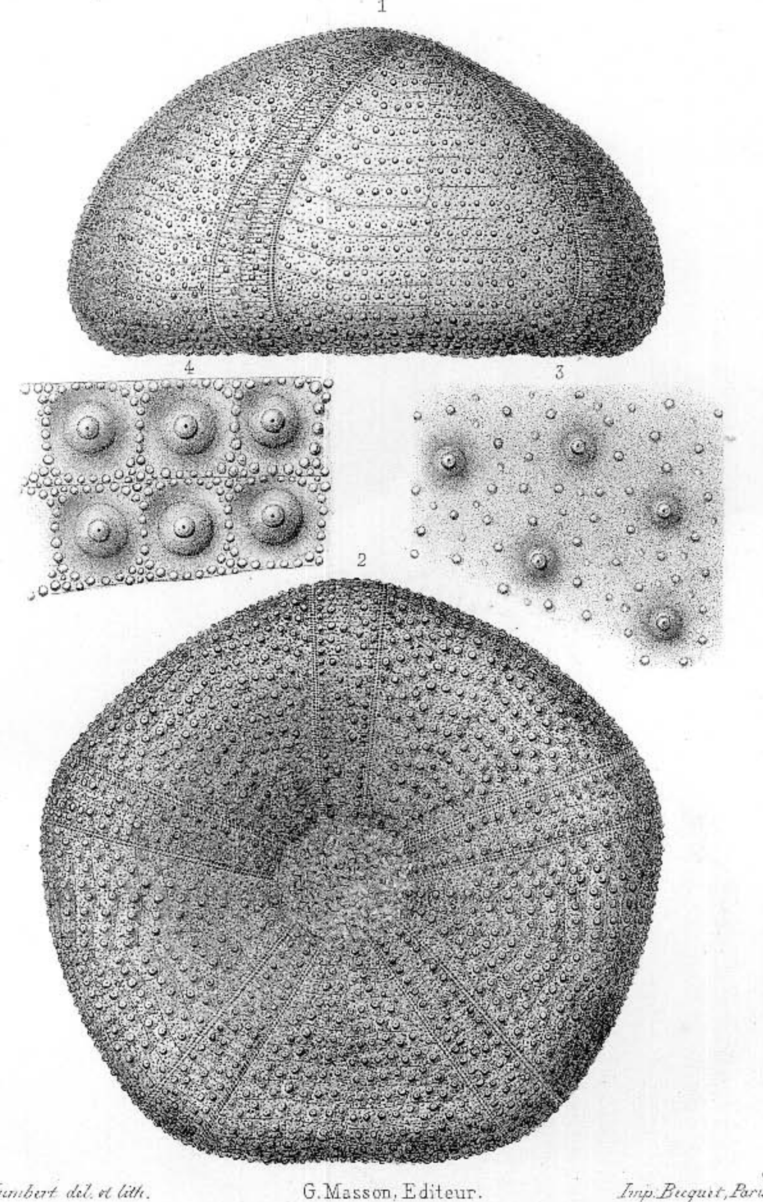
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

1_5. Pygaster laganoides, Agassiz. Bathonien.
6_8. P.____ icaunensis, Cotteau. _____



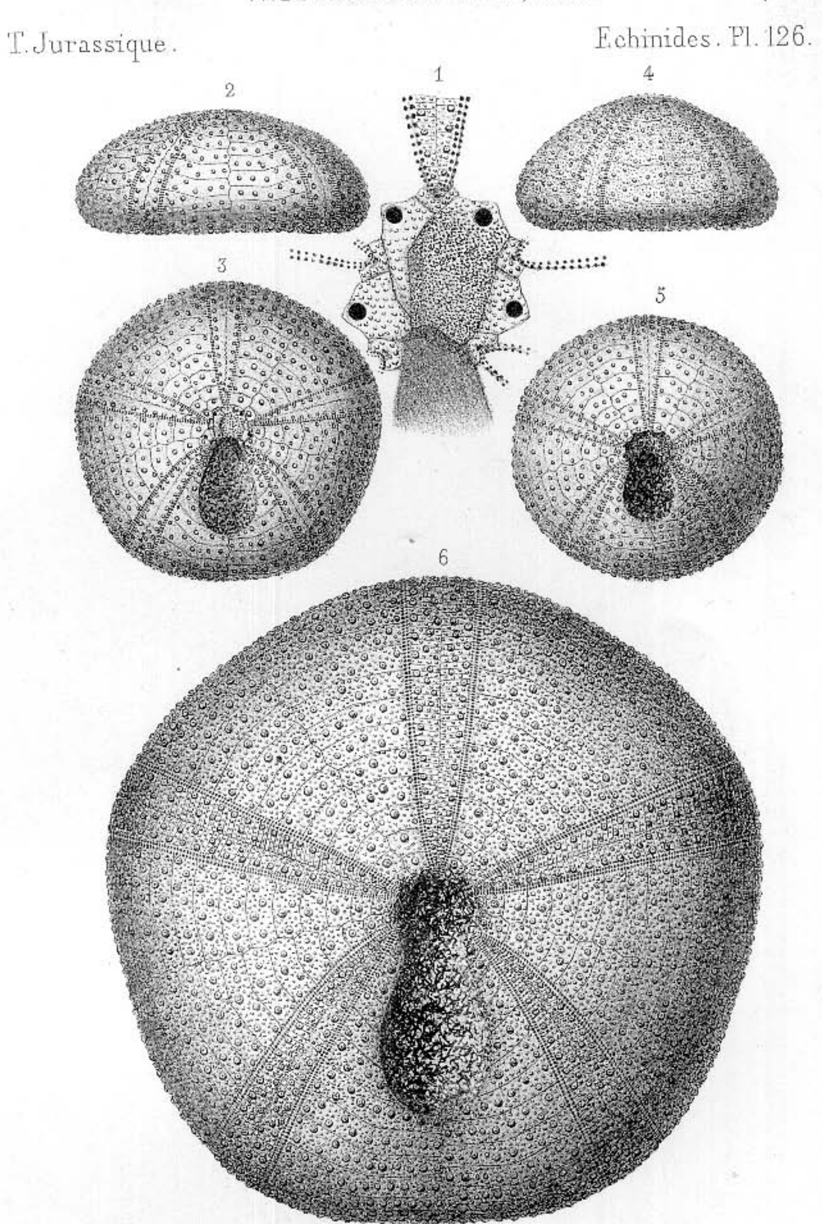
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

1 _ 5. *Pygaster Peroni*, *Cotteau. Bathonien.*
6. *P.* ——— *umbrella*, *Agassiz. corallien.*



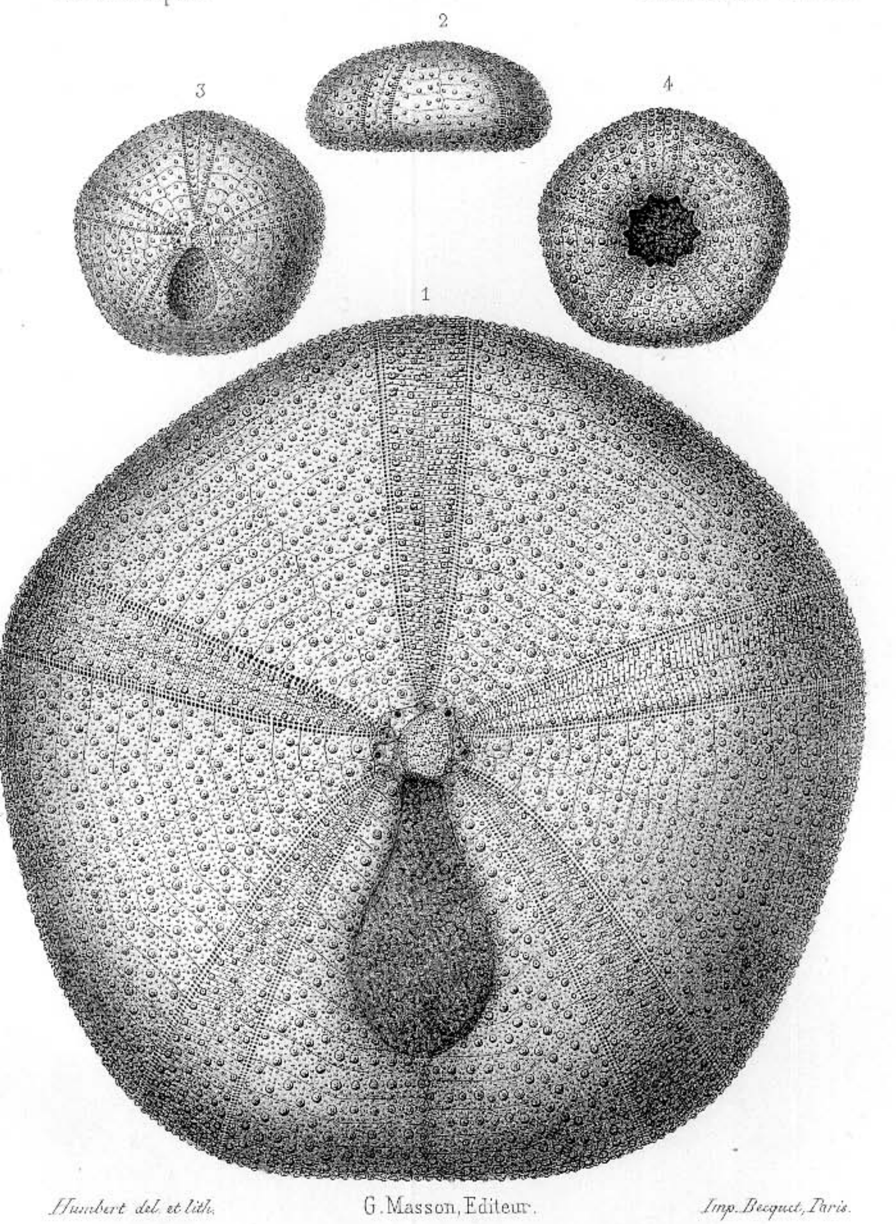
Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pygaster umbrella, *Agassiz. corallien.*



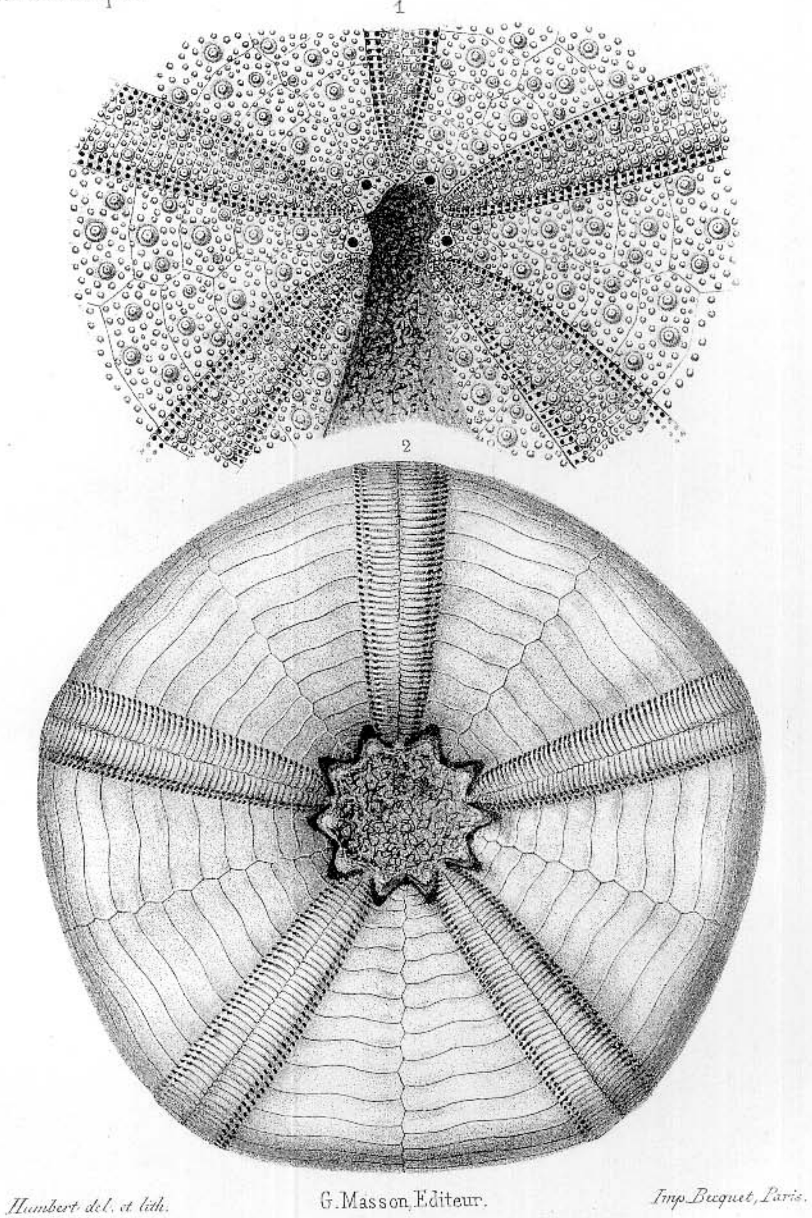
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Pygaster umbrella, Agassiz. Oxfordien et corallien.



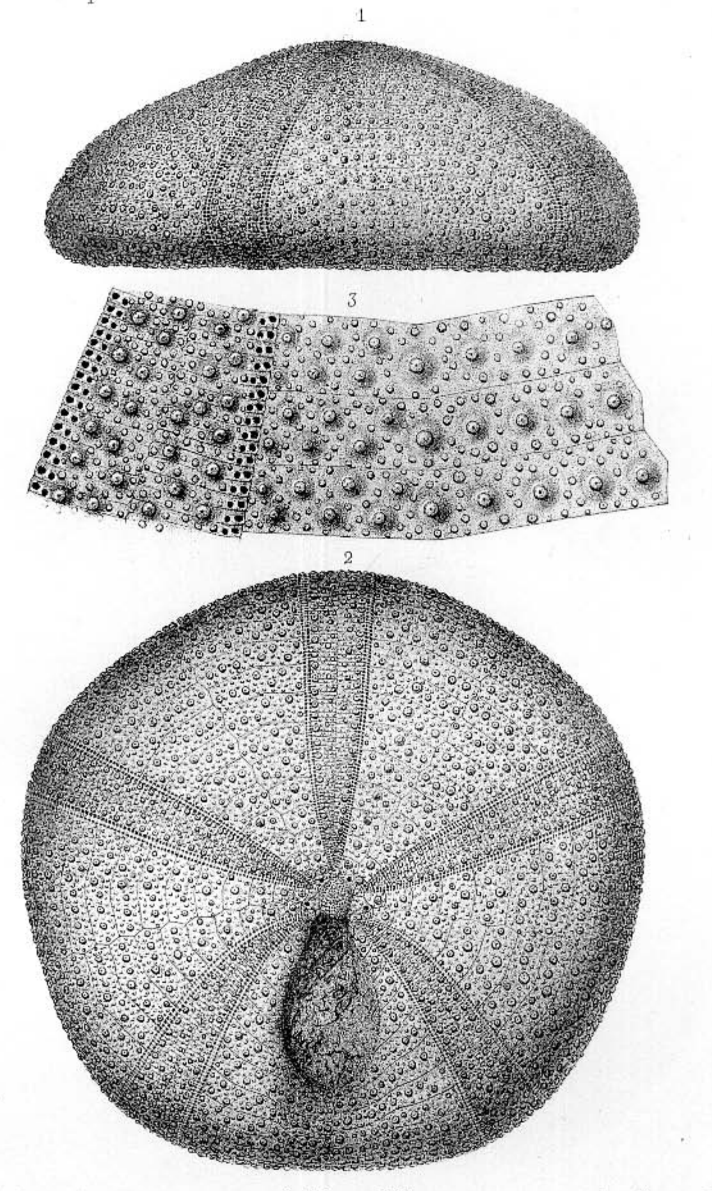
J. Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Pygaster umbrella, Agassiz. Corallien.



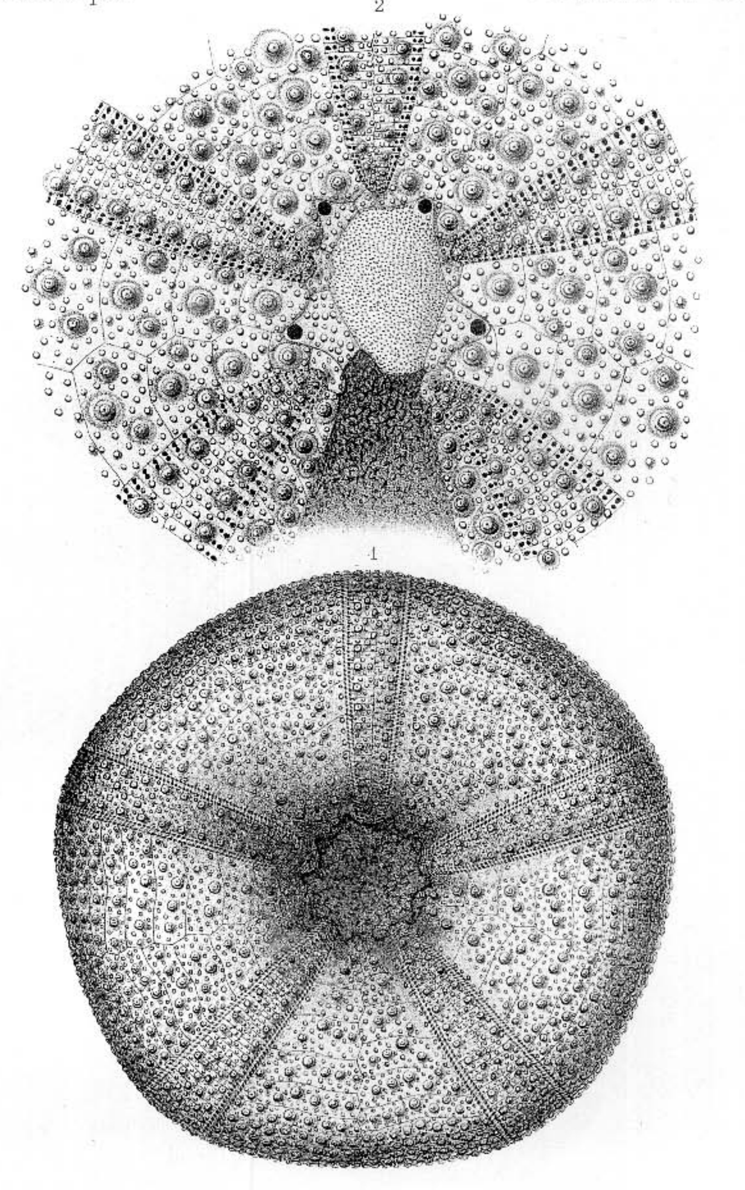
Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pygaster umbrella, Agassiz. Corallien.



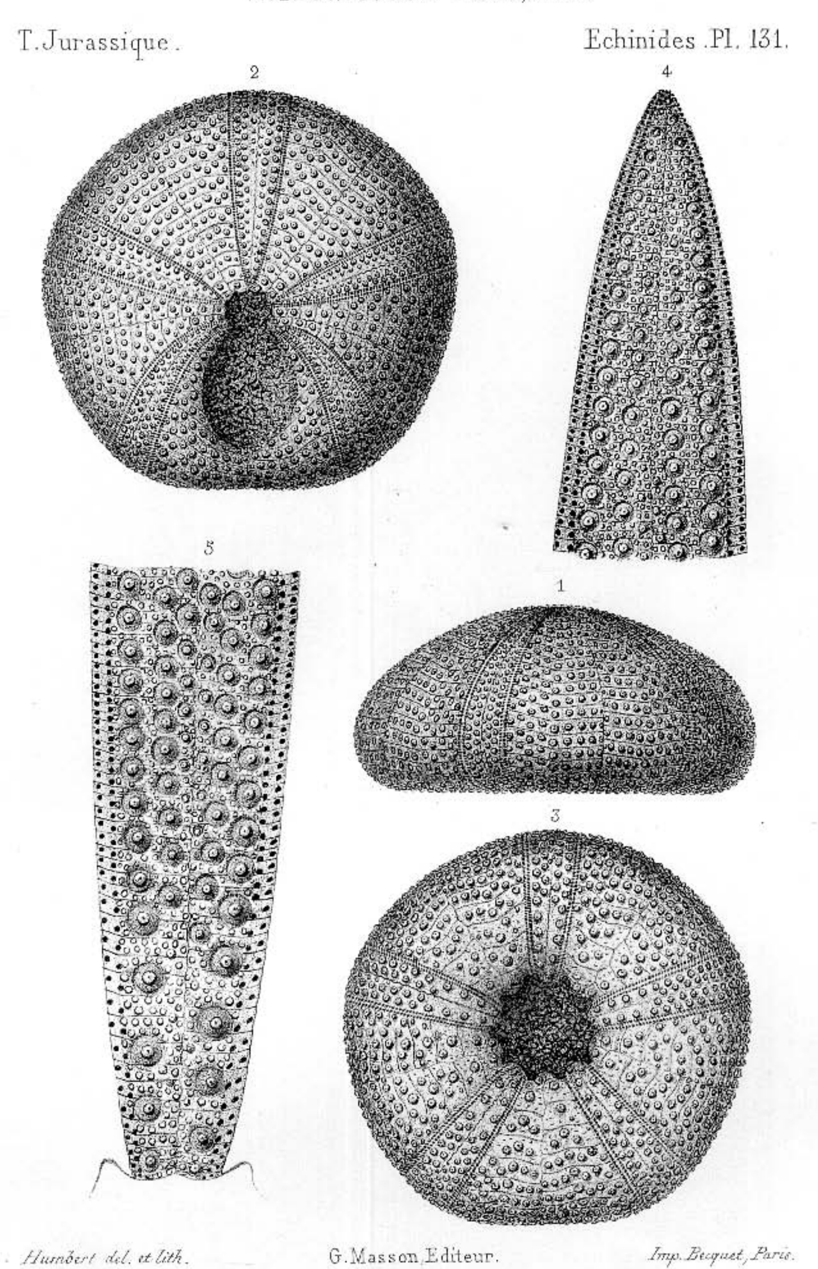
Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pygaster dilatatus, *Agassiz. Corallien.*



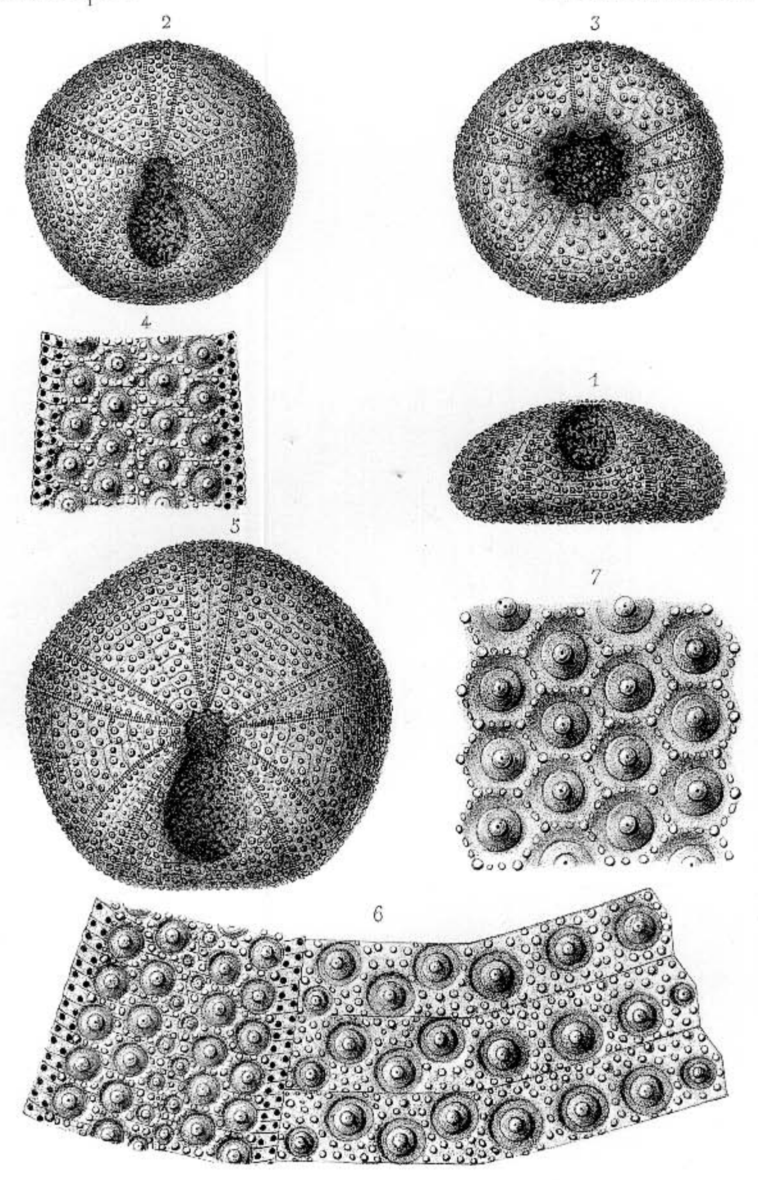
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet Paris.

Pygaster dilatatus, Agassiz. Corallien.



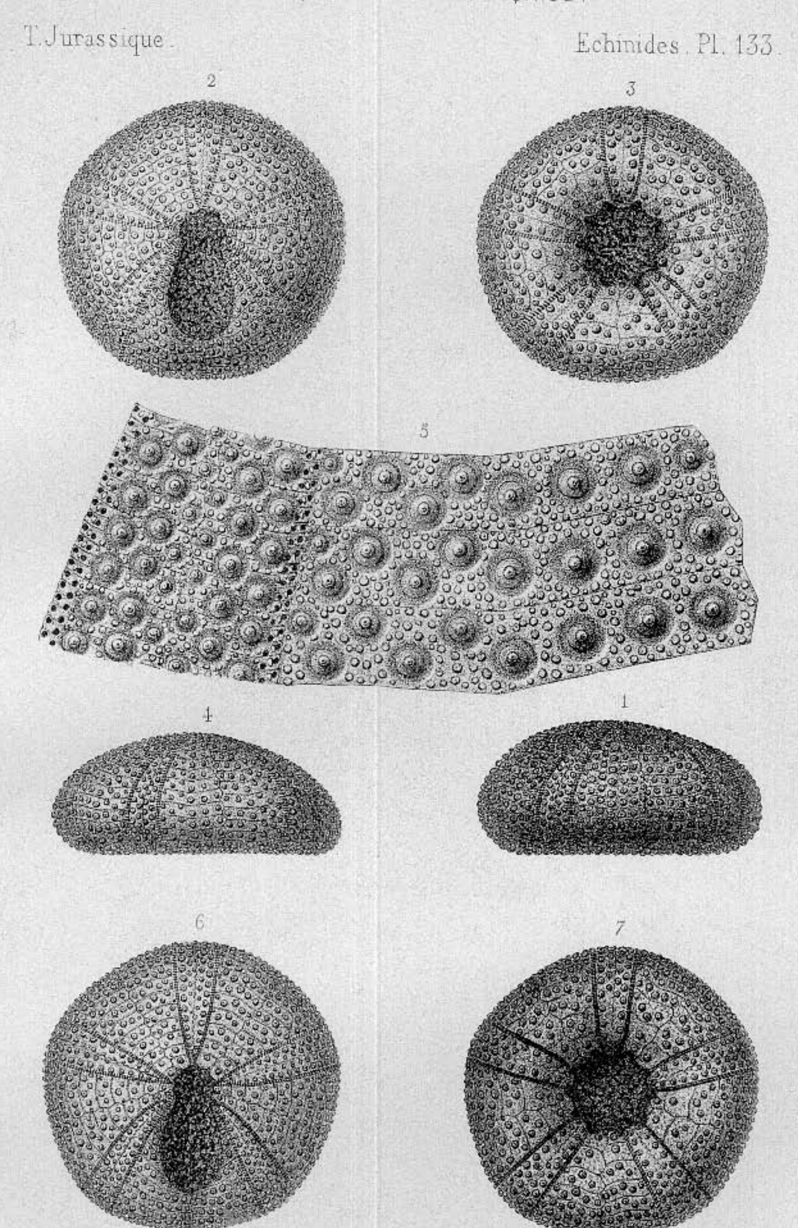
Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pygaster Gresslyi, *Desor. Corallien.*



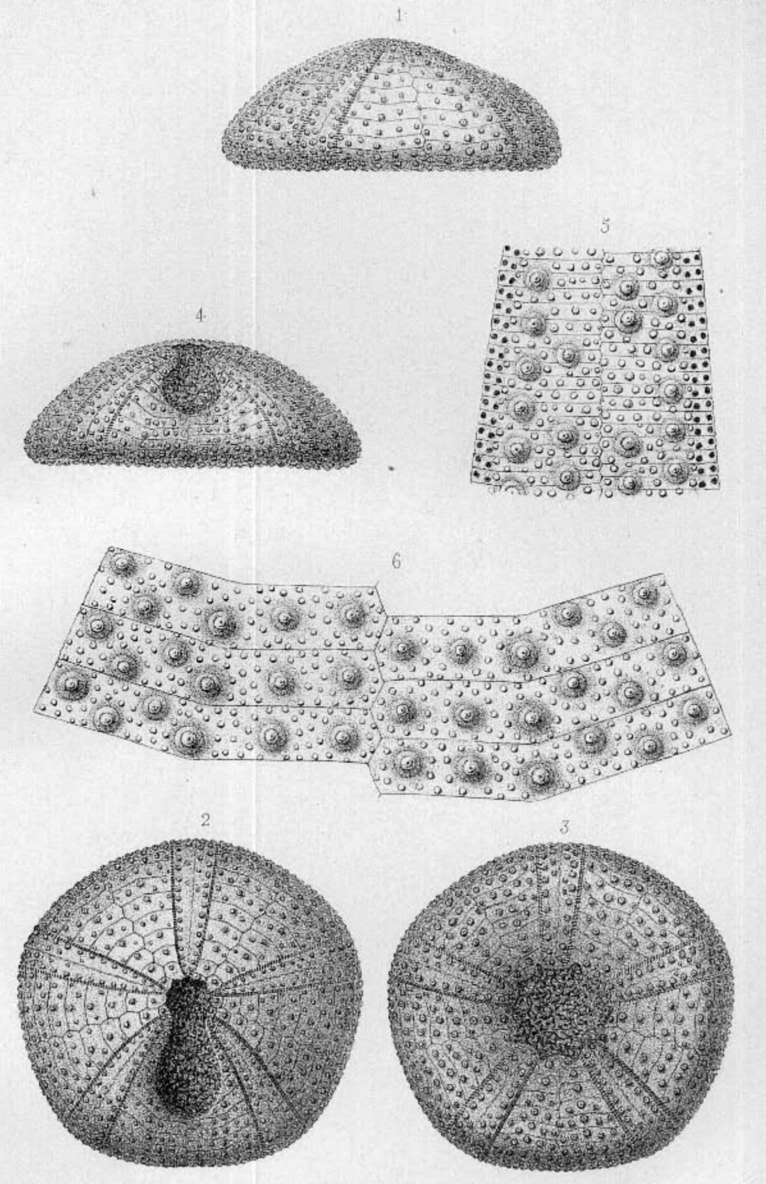
Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pygaster Gresslyi, Desor. Corallien.



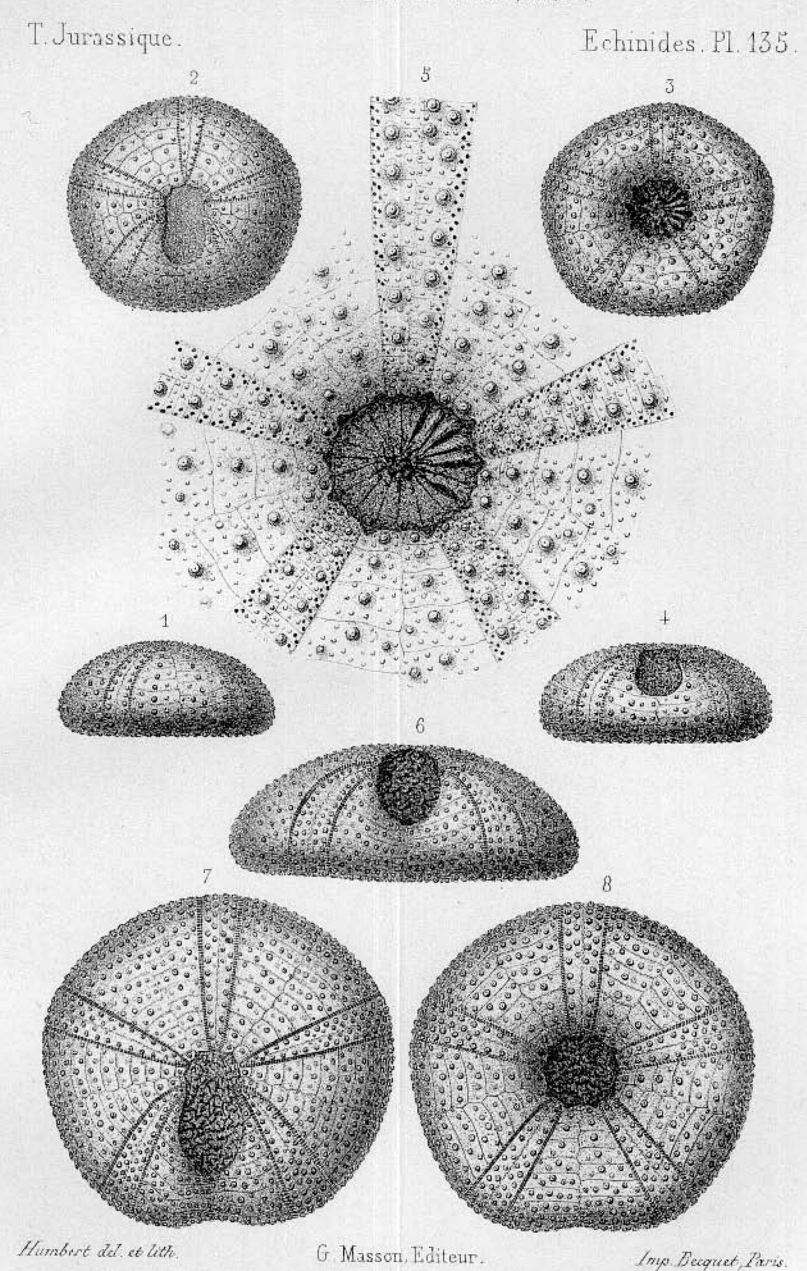
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Pygaster Gresslyi; Cotteau. Corallien.



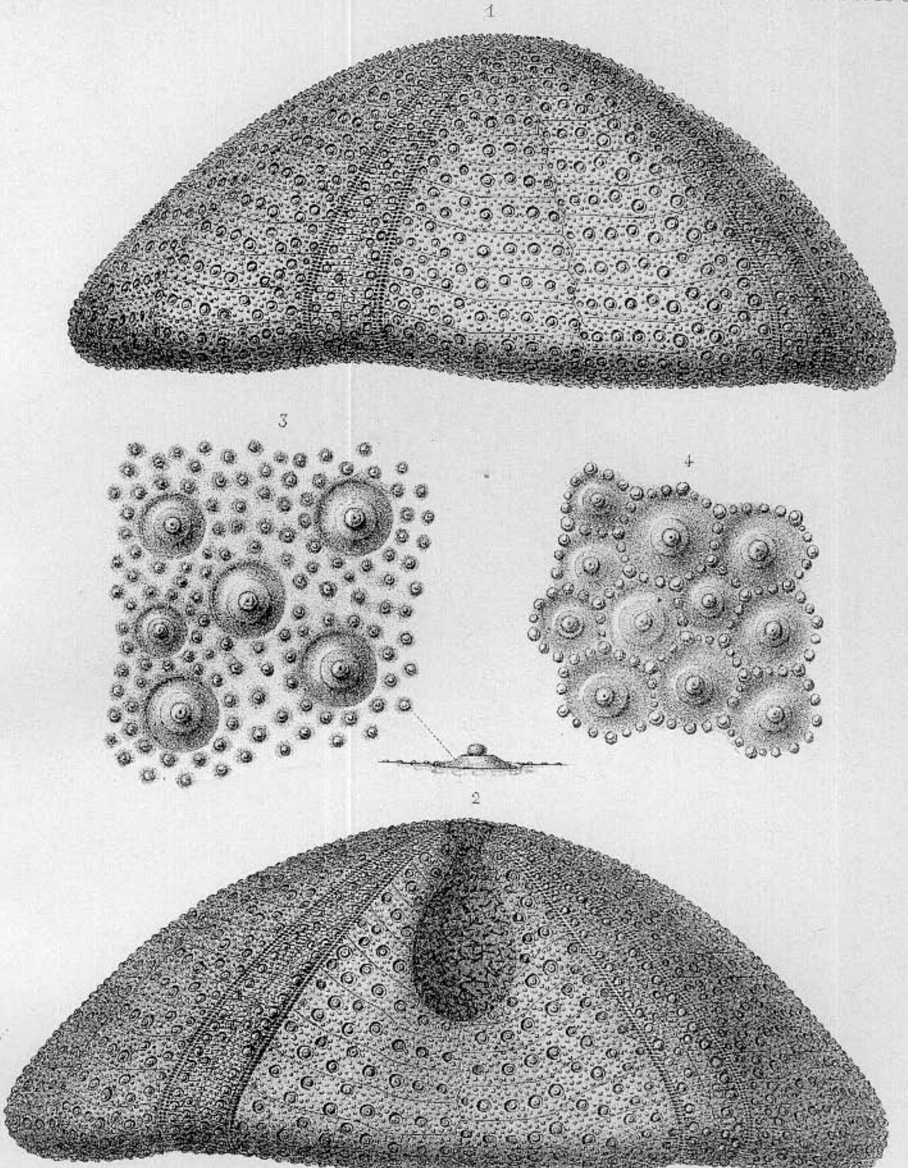
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Pygaster subtilis, Desor. Corallien sup.



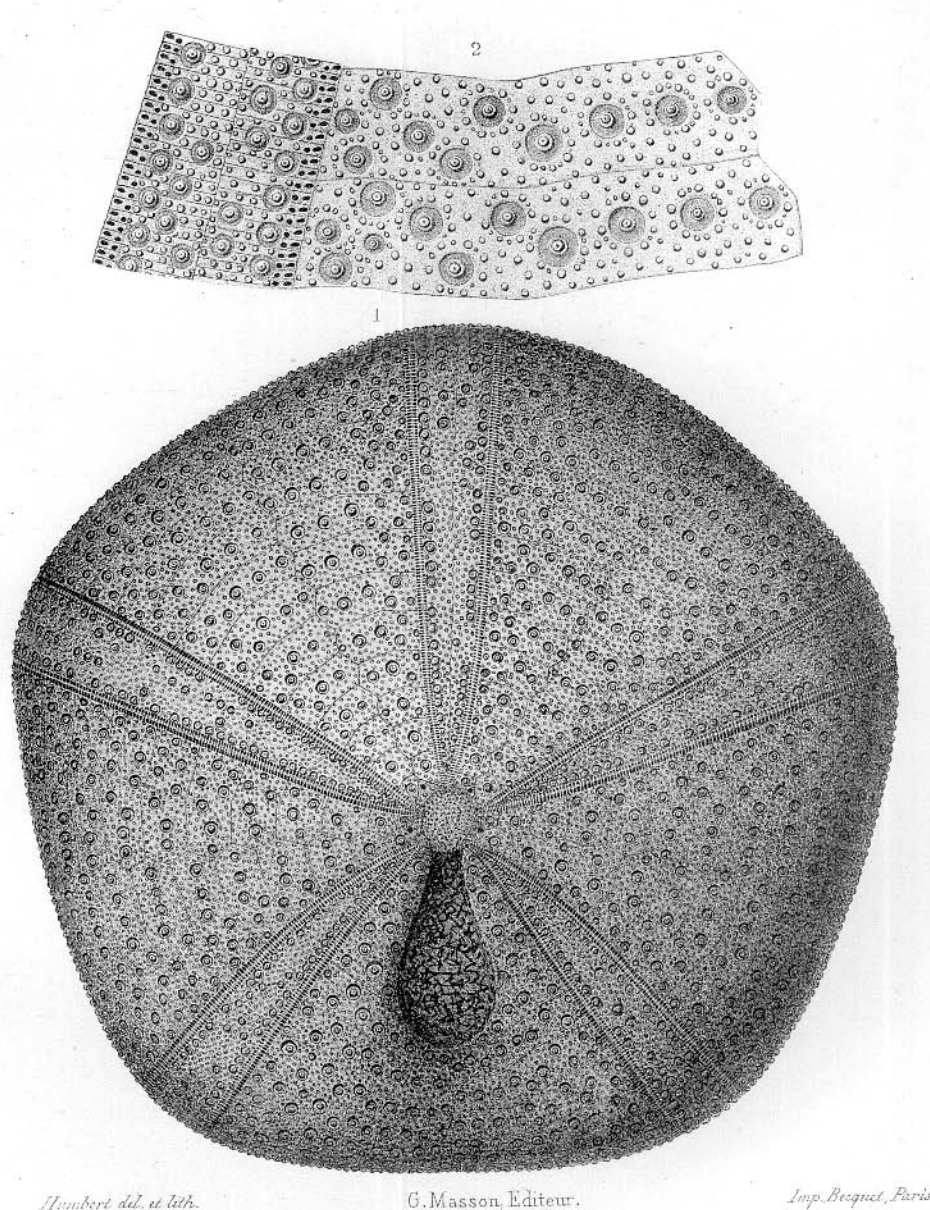
Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

1 _ 5. Pygaster subtilis, Desor. Corallien sup.
6 _ 8. P.______ Gauthieri, Cotteau. Corallien.



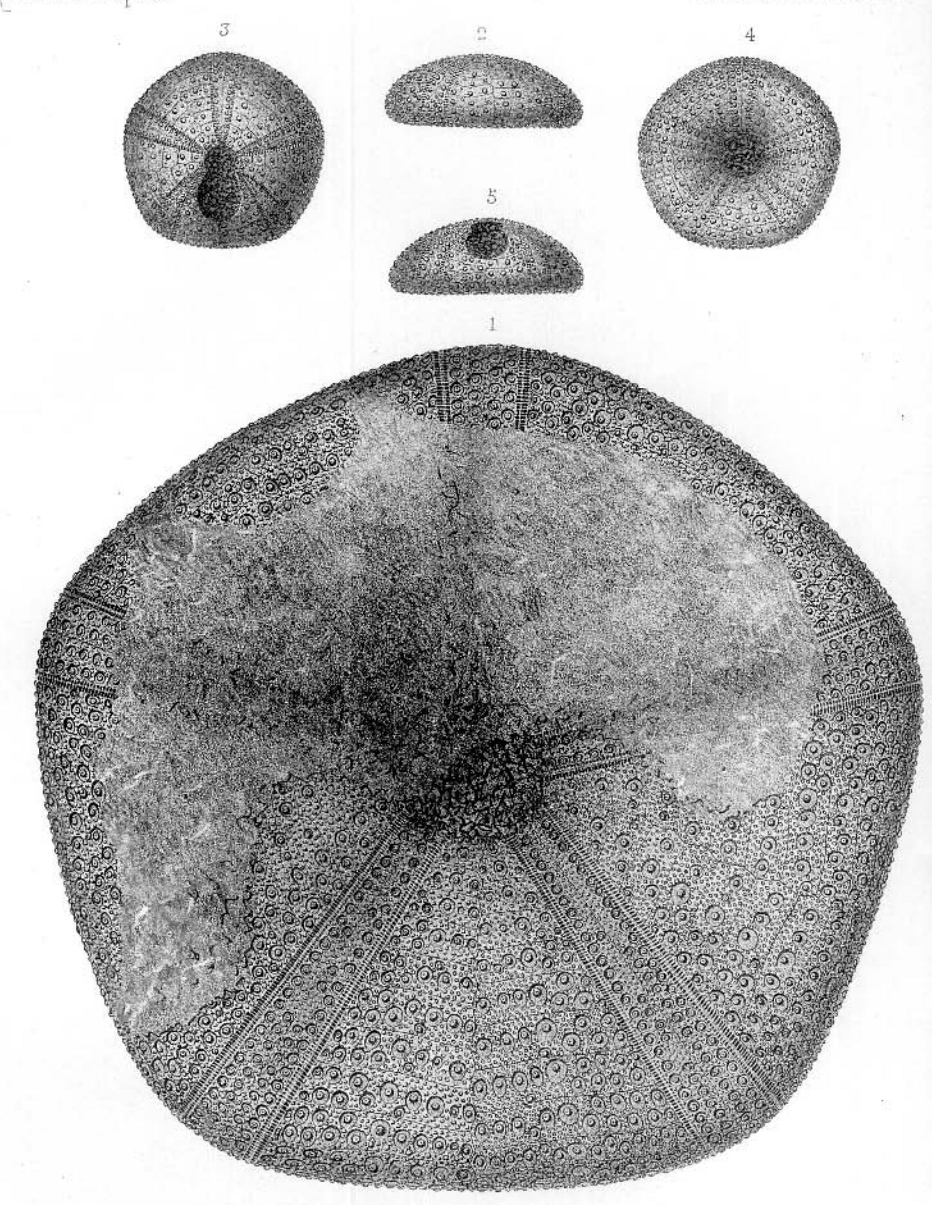
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Pygaster macrocyphus, Wright. Kimmeridgien.



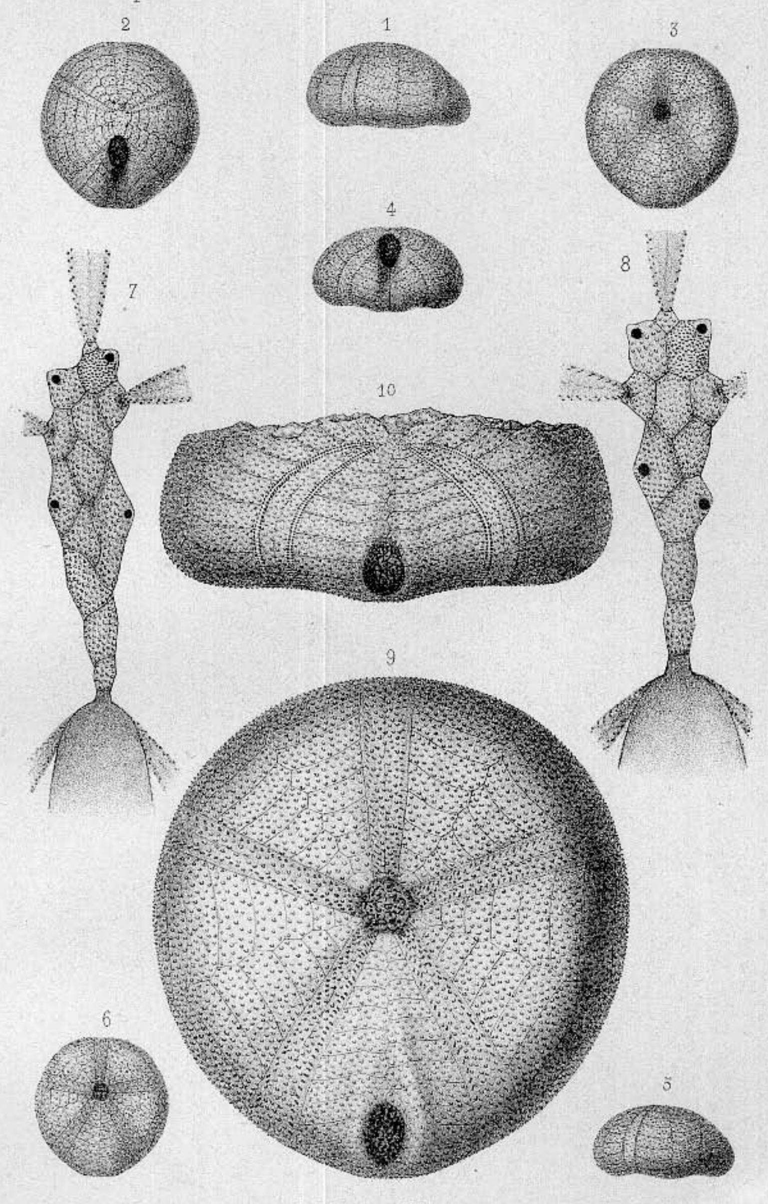
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Pygaster macrocyphus, Wright. Kimmeridgien.



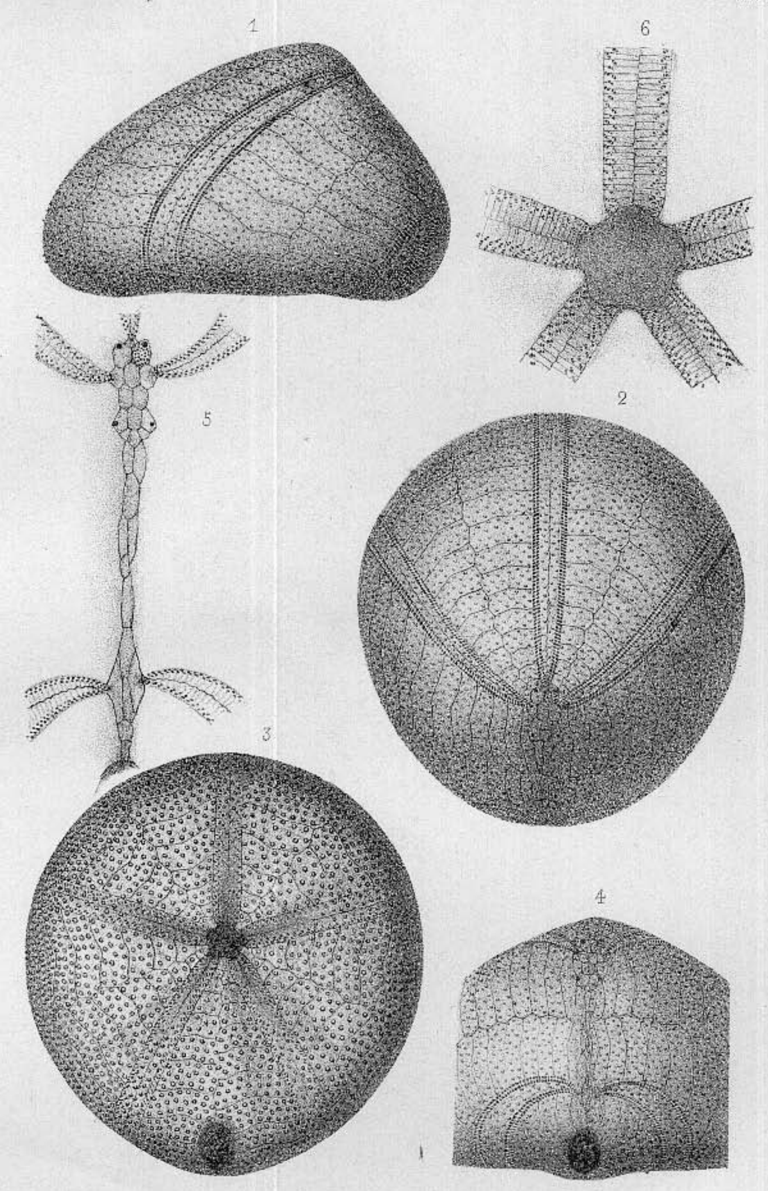
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Pygaster macrocyphus, *Wright*. *Kimmeridgien*.



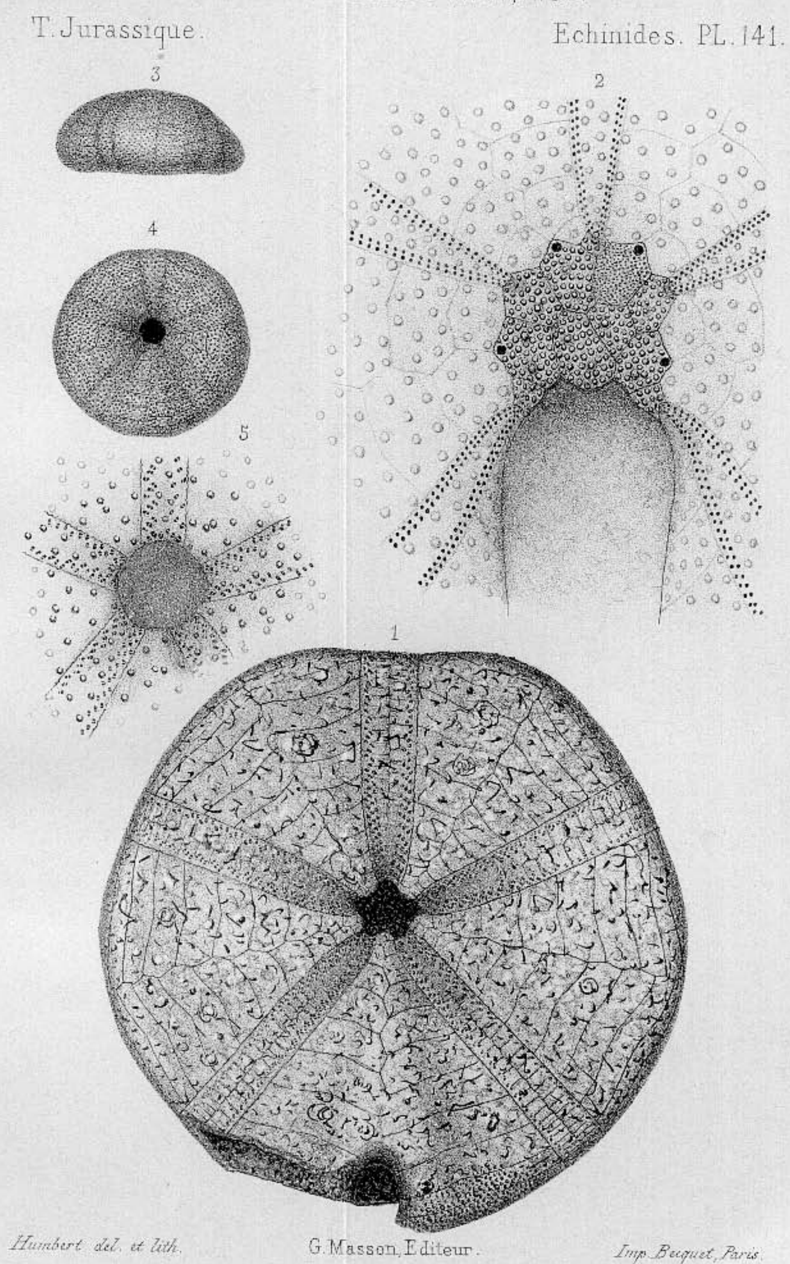
Humbert del. et lith. G. Masson Editeur. Imp. Becquet, Paris.

1 _ 8. *Collyrites Ebrayi*, Cotteau. Bajocien.
9 _ 10. *C. _____ Verneuili*, Cotteau. Oxfordien..?



Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Collyrites Voltzi, Desor. Oxfordien.?



Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

1. *Pygurus costatus*, Wright. Corallien.
2. *Galeropygus Marcou*, Desor. Bajocien.
3 _ 5. *Hyboclypeus sub-circularis*, Cotteau. Bajocien.

2 6 1

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7

Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

1 – 6. Hyboclypeus sub-circularis, Cotteau. Bajocien.

7 et 8. Pachyclypeus semiglobus, Desor. Oxfordien. ?

